

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FISH AND GAME
BUREAU OF MARINE FISHERIES

FISH BULLETIN No. 63

The Commercial Fish Catch of California for the Years 1943 and 1944

BY THE STAFF OF THE
BUREAU OF MARINE FISHERIES



1946



FOREWORD

This is the ninth fish bulletin of a series begun in 1929 for the purpose of presenting detailed records of the commercial fish catch of California as well as other statistical information compiled by the Bureau of Marine Fisheries.

The cooperation of the Bureau of Patrol and Law Enforcement in the collection of the original material is gratefully acknowledged.

November, 1945

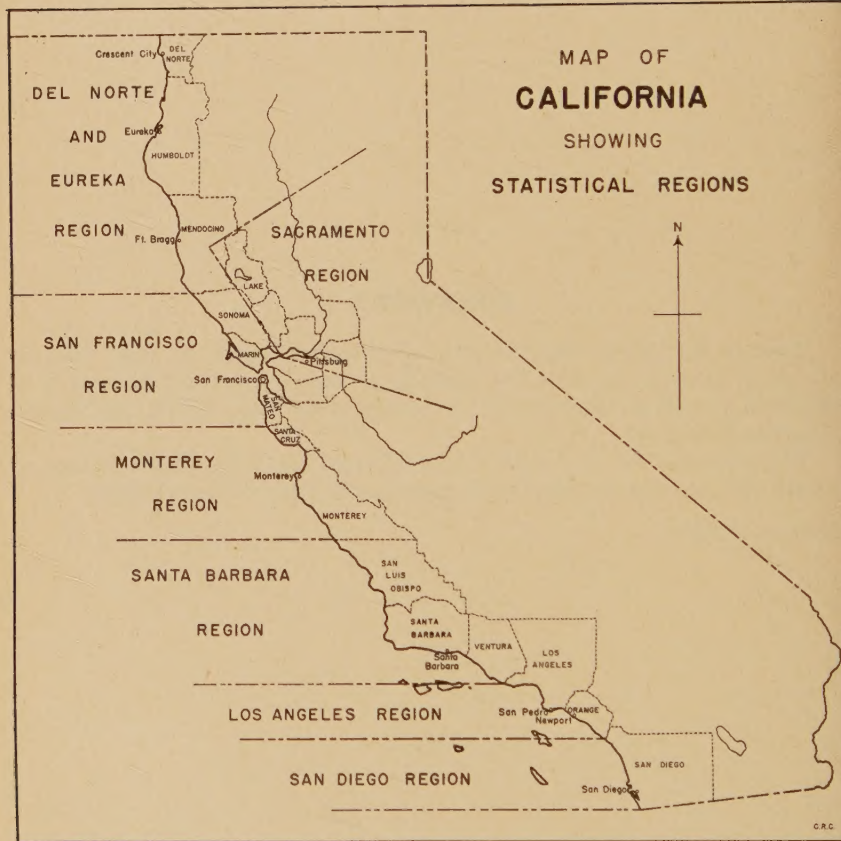


FIGURE 1

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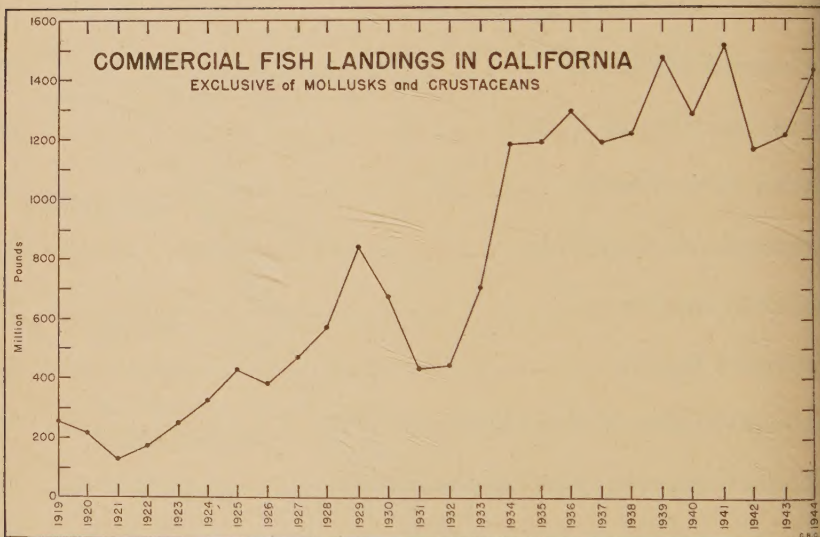


FIGURE 2

THE FISH CATCH OF CALIFORNIA

During the war years the fisheries of California underwent definite changes. The California catch is dominated by the species used for canning: Sardines, mackerel, the five tunas and yellowtail. In 1941 we were actually preparing for war, the draft was in effect, and high wages were attracting labor to the defense plants so that this year may be considered as one of the war years. In the accompanying table the catch of these cannery fish during the four years, 1941 through 1944, is contrasted with the catch in the four preceding years. The average annual catch is expressed in millions of pounds. The last column is the average total of pounds caught.

VERAGE ANNUAL CATCH FOR THE LAST FOUR YEARS CONTRASTED WITH THE PRECEDING FOUR YEARS
(Figures in Millions of Pounds)

	Sardine	Yellowfin Tuna	Pacific and Horse Mackerel	Skipjack	Albacore	Bluefin Tuna	Yellowtail	Bonito Tuna	Total
1937-40----	1,030.0	98.4	89.0	39.1	5.6	16.0	5.3	7.7	1,291.1
1941-44----	1,088.0	57.3	80.0	30.8	13.9	13.0	5.1	3.7	1,291.8
Change--	+58.0	-41.1	-9.0	-8.3	+8.3	-3.0	-0.2	-4.0	+7

For all species the catch in the second interval was only slightly in excess of the four prewar years. The sardine catch increased due to heavy landings in 1941 and 1944, but this increase was largely offset by a reduction in the take of yellowfin and skipjack. In normal times most of our catch of these two species comes from off the coasts of Central and South America. During the war the movements of our fishing boats in southern waters were curtailed or prohibited and the local catch of these two tunas could not maintain the prewar totals. Bluefin, yellowtail and bonito all experienced small decreases whereas albacore catches increased. This was due to exceptionally successful fishing in 1943 and better than average in 1944.

Some fishes of less importance than the cannery species showed an increased catch after we entered the war. As our shark catch sagged, vitamin production was aided by imported livers and also by heavier catches of local sablefish, especially for the two years 1943 and 1944 in which the catch quadrupled the prewar average for the species. The canning of local squid and of Pismo clams from Mexico led to spectacular increases in the take of these species for 1943 and 1944. The unforeseen use, beginning in November of 1943, of a light balloon net enabled otter trawl fishermen to capture rockfish in great quantities for the fresh fish trade. The prewar catch of rockfish was roughly 3,000,000 pounds but was dropped to 1,500,000 pounds in 1942 when price to the small boat fishermen was fixed by the Office of Price Administration at a low level. When the trawlers with the new balloon net turned to rockfish and the 1944 catch rose to 6,500,000 pounds.

Our chief fishing ports of San Francisco, Monterey, San Pedro and San Diego remained in the lead during 1943 and 1944 but because of wartime restrictions many of our small boats moved their operations to lesser ports. Eureka and Fort Bragg showed substantial increases in the amounts of fish landed. At Bodega Bay four new wholesale fish houses were built to receive the catches of additional small boats fishing in that area. Normally about four-fifths of the mackerel catch of the State is landed at the harbor of San Pedro but so many boats shifted their deliveries to Santa Monica that the 1944 catch of that port almost equaled the mackerel deliveries at San Pedro. Newport Bay, the most southerly of the small ports, became congested and sheltered more small fishing craft than any other port in the State.

Marine sport fishing continued through 1943 and 1944 but at a low ebb. Fishing barges were not allowed to anchor off shore and surf fishing was limited to daylight hours. Pier fishing continued on a reduced scale.

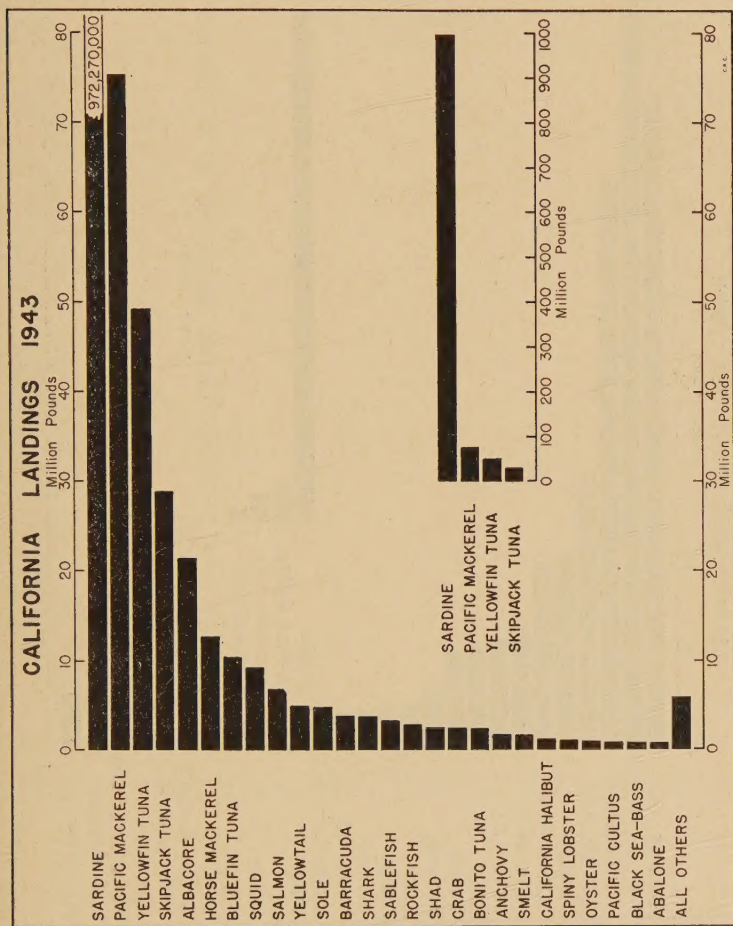


FIGURE 3

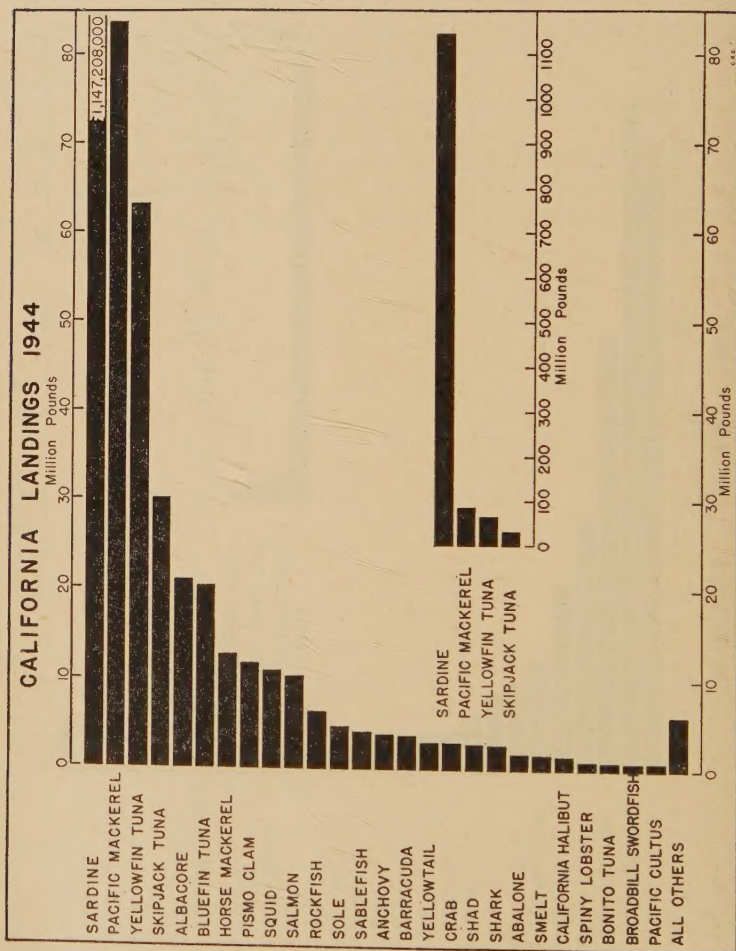


FIGURE 4

TABLE 1
CALIFORNIA LANDINGS—1943

<i>Species</i>	<i>Pounds</i>
Sardine.....	972,270,000
Pacific Mackerel.....	75,264,000
Yellowfin Tuna.....	49,261,000
Skipjack Tuna.....	28,894,000
Albacore.....	21,385,000
Horse Mackerel.....	12,699,000
Bluefin Tuna.....	10,179,000
Squid.....	9,164,000
Salmon.....	6,581,000
Yellowtail.....	4,935,000
Sole.....	4,782,000
Barracuda.....	3,775,000
Shark.....	3,729,000
Sablefish.....	3,205,000
Rockfish.....	2,762,000
Shad.....	2,348,000
Crab.....	2,315,000
Bonito Tuna.....	2,282,000
Anchovy.....	1,571,000
Smelt.....	1,566,000
California Halibut.....	1,122,000
Spiny Lobster.....	986,000
Oyster.....	851,000
Pacific Cultus.....	719,000
Black Sea-bass.....	701,000
Abalone.....	680,000
All others.....	5,781,000
Yearly total pounds.....	1,229,807,000
Fish landings exclusive of mollusks and crustaceans.....	1,214,879,510

* This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other States and foreign countries by truck, rail and ocean liner to California canneries and fresh fish dealers. For detail see page 41.

TABLE 2
CALIFORNIA LANDINGS—1944

<i>Species</i>	<i>Pounds</i>
Sardine.....	1,147,208,000
Pacific Mackerel.....	83,657,000
Yellowfin Tuna.....	63,144,000
Skipjack Tuna.....	30,037,000
Albacore.....	20,969,000
Bluefin Tuna.....	20,344,000
Horse Mackerel.....	12,777,000
Pismo Clam.....	11,754,000
Squid.....	10,937,000
Salmon.....	10,286,000
Rockfish.....	6,421,000
Sole.....	4,700,000
Sablefish.....	4,116,000
Anchovy.....	3,891,000
Barracuda.....	3,648,000
Yellowtail.....	2,957,000
Crab.....	2,935,000
Shad.....	2,689,000
Shark.....	2,613,000
Abalone.....	1,630,000
Smelt.....	1,541,000
California Halibut.....	1,492,000
Spiny Lobster.....	920,000
Bonito Tuna.....	819,000
Broadbill Swordfish.....	749,000
Pacific Cultus.....	746,000
All others.....	5,962,000
Yearly total pounds.....	1,458,942,000
Fish landings exclusive of mollusks and crustaceans.....	1,429,689,379

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For detail see page 41.

VALUE OF COMMERCIAL FISH LANDINGS

The value of California's fisheries could be calculated from the price paid for the raw product or from the price received for the processed fish. To determine the latter would involve many adjustments and consequently in this, as in previous reports, the price received by the fishermen for fish in the round has been taken as the basic value. In a few instances fishermen market their own catch and therefore can not record sale in the round. In cases of missing sale price the average price obtained for the species in the locality and for the season of the year involved has been used.

Throughout the past six years the value of California fishes has steadily increased, whereas the poundage has shown no consistent trend upward or downward. For the entire State the poundage delivered in 1944 was 98 per cent of that for 1939. On the other hand, the value of the 1944 catch was 190 per cent when compared with 1939. The trend in values and poundages throughout the six years is indicated by the following figures:

	<i>Pounds</i>	<i>Change</i>	<i>Value</i>	<i>Increase</i>
1939 -----	1,500,000,000		\$19,000,000	
1940 -----	1,300,000,000	-200,000,000	20,400,000	\$1,400,000
1941 -----	1,500,000,000	+200,000,000	22,500,000	2,100,000
1942 -----	1,200,000,000	-300,000,000	26,100,000	3,600,000
1943 -----	1,200,000,000	0	31,900,000	5,800,000
1944 -----	1,500,000,000	+300,000,000	36,100,000	4,200,000

This continuous increase in value occurred in all regions of California, as shown in figure 5. This figure gives the value of the fishery products in millions of dollars, and indicates from year to year the relatively consistent increase in the dollar value of the fish landings. The outstanding region is Eureka where the 1944 value of the fishery products is \$1,300,000 greater than 1939, an increase of 360 per cent. This exceptional augmentation of the price paid for the Eureka fishery products resulted first from the demand for shark livers high in vitamin content. The Eureka region is one of the major soupfin shark fishing areas, and the price paid for soupfin livers has been as much as \$10 per pound. By 1943 the catch of shark was falling off but the value of the Eureka fisheries was maintained by an increased catch of rockfish and salmon.

The smallest increase in any region occurred at San Francisco where the value of the 1944 catch was 128 per cent of that for 1939. In other regions in the State the increase varied from 170 to 220 per cent.

The relative importance of the various fishing areas is also indicated for the years 1939 to 1944 in figure 5. The seven regions fall into three groupings. In the Eureka, Sacramento and Santa Barbara regions, the annual value of the fisheries approximated \$1,000,000. In these areas, with the exception of the Sacramento area where some sardines are canned, most of the fishery products are sold fresh and the volume of business is correspondingly less than in a canning area. In the San Francisco and Monterey regions the annual value varied from two to

six million. Here a large volume of fresh fish is sold and in addition sardines are canned and reduced into meal and oil. The tonnage handled in these areas is large but the price per pound for sardines is low, varying from one-half to one cent during the six years. This brings the total value of the San Francisco and Monterey regions into an intermediate position in relation to other areas in the State.

The two outstanding regions are Los Angeles and San Diego. Here the annual value varied from five to thirteen million dollars. The poundage handled in the Los Angeles area corresponds closely with that of Monterey but in the Los Angeles region, in addition to sardines, tuna and mackerel are canned. The price for mackerel has been one to two cents per pound and for tunas, with the exception of albacore, from four to ten cents. Albacore has brought as much as $19\frac{1}{2}$ cents per pound. Thus the mackerel and especially the tuna bring the Los Angeles region into first place in value for the State's fishery products.

The high value of the tuna fisheries is also shown by the San Diego data. In this region canning is confined to the tunas, the poundages handled are less than those for San Francisco, Monterey or Los Angeles but the value is second only to Los Angeles.

VALUE OF COMMERCIAL
FISH LANDINGS BY REGIONS
1939-1944

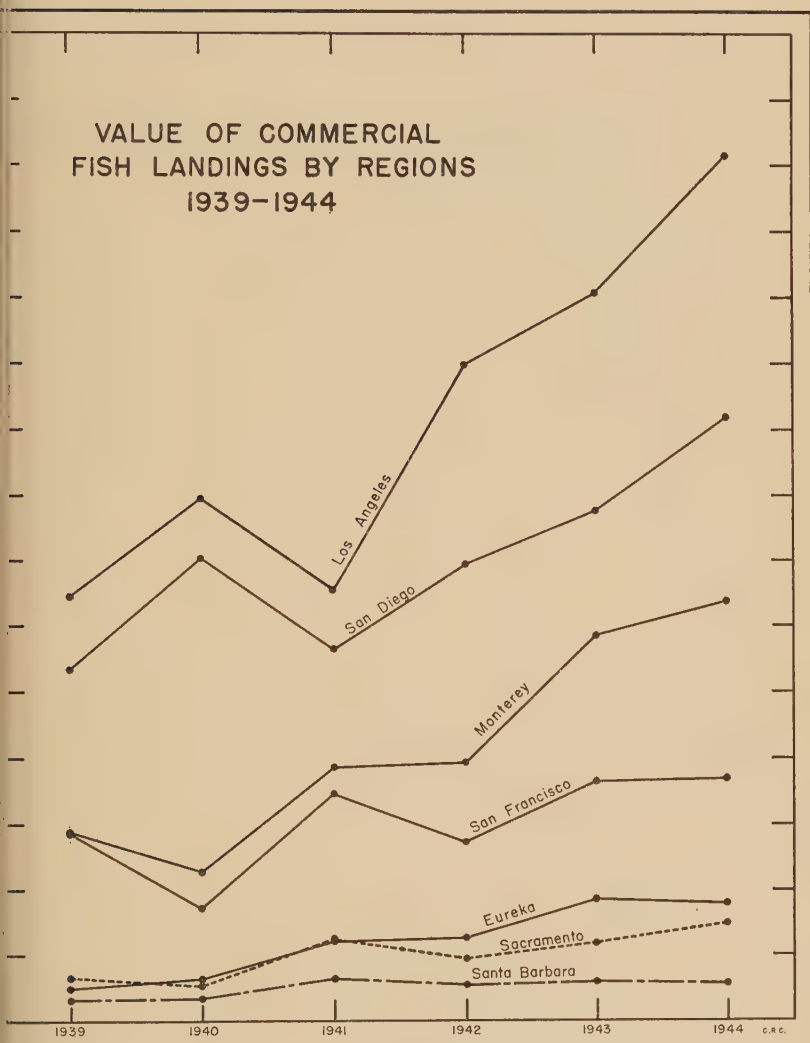


FIGURE 5

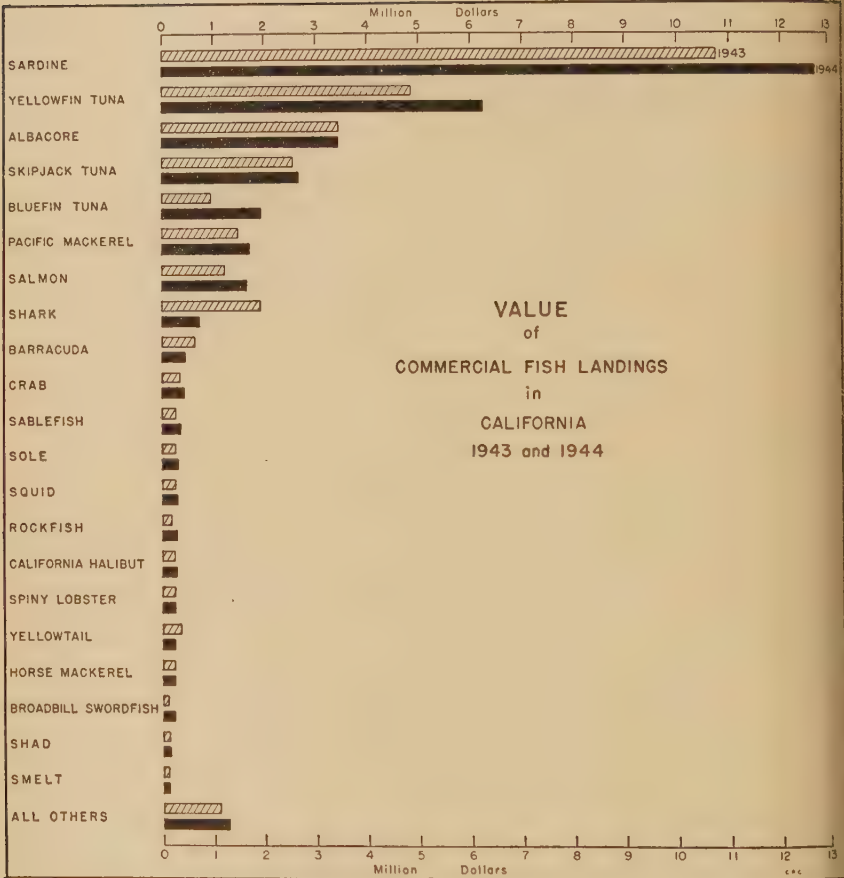


FIGURE 6

TABLE 3
VALUE OF COMMERCIAL FISH LANDINGS—1943

<i>Species</i>	<i>Value</i>
Sardine.....	\$10,782,000
Yellowfin Tuna.....	4,881,000
Albacore.....	3,477,000
Skipjack Tuna.....	2,583,000
Shark.....	1,933,000
Pacific Mackerel.....	1,493,000
Salmon.....	1,228,000
Bluefin Tuna.....	968,000
Barracuda.....	656,000
Yellowtail.....	369,000
Crab.....	353,000
Sablefish.....	267,000
Sole.....	265,000
Squid.....	265,000
Spiny Lobster.....	256,000
California Halibut.....	238,000
Horse Mackerel.....	236,000
Rockfish.....	186,000
Bonito Tuna.....	181,000
Black Sea-bass.....	157,000
White Sea-bass.....	123,000
Shad.....	114,000
Smelt.....	109,000
Broadbill Swordfish.....	102,000
All others.....	639,000
Total value, 1943.....	\$31,861,000

TABLE 4
VALUE OF COMMERCIAL FISH LANDINGS—1944

<i>Species</i>	<i>Value</i>
Sardine.....	\$12,716,000
Yellowfin Tuna.....	6,269,000
Albacore.....	3,484,000
Skipjack Tuna.....	2,694,000
Bluefin Tuna.....	1,939,000
Pacific Mackerel.....	1,707,000
Salmon.....	1,665,000
Shark.....	757,000
Barracuda.....	470,000
Crab.....	428,000
Sablefish.....	375,000
Pismo Clam.....	317,000
Sole.....	303,000
Squid.....	299,000
Rockfish.....	287,000
California Halibut.....	286,000
Spiny Lobster.....	252,000
Yellowtail.....	234,000
Horse Mackerel.....	229,000
Broadbill Swordfish.....	226,000
Abalone.....	145,000
Shad.....	121,000
Smelt.....	108,000
Catfish.....	80,000
All others.....	738,000
Total value, 1944.....	\$36,129,000

TABLE 5
CALIFORNIA COMMERCIAL FISH LANDINGS—1943
Values for Eureka Region, Indicating Leading Ports and Species

EUREKA REGION-----	\$1,829,970	12,465,008 pounds	
Eureka-----	\$1,146,100	Shark-----	\$560,600
		Sole-----	184,500
		Salmon-----	159,500
		Rockfish-----	56,900
		Northern Halibut-----	50,800
		Sablefish-----	41,400
		Pacific Cultus-----	25,600
		Sand Dab-----	17,900
		Crab-----	14,300
		Starry Flounder-----	13,700
		Whitebait-----	7,900
		All other-----	13,000
Fort Bragg-----	\$532,100	Salmon-----	189,600
		Sablefish-----	125,300
		Shark-----	113,600
		Albacore-----	77,400
		Pacific Cultus-----	13,400
		Whitebait-----	6,000
		All other-----	6,800
Crescent City-----	\$149,700	Salmon-----	66,800
		Shark-----	49,400
		Crab-----	13,400
		Whitebait-----	5,900
		Pacific Cultus-----	5,700
		All other-----	8,500
All other ports-----	\$2,070		

TABLE 6

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for Sacramento Region, Indicating Leading Ports and Species

SACRAMENTO REGION...	\$1,175,375	77,916,080 pounds	
Pittsburg.....	\$499,900	Sardine.....	\$278,600
		Salmon.....	112,100
		Shad.....	82,800
		Catfish.....	25,600
		All other.....	800
Benicia.....	\$316,600	Sardine.....	316,600
Port Chicago.....	\$168,300	Sardine.....	159,300
		Shad.....	9,000
Martinez.....	\$95,400	Sardine.....	55,400
		Salmon.....	27,200
		Shad.....	12,800
Collinsville.....	\$50,100	Salmon.....	38,400
		Shad.....	10,000
		Catfish.....	1,700
Sacramento.....	\$31,800	Salmon.....	23,400
		Catfish.....	7,600
		All other.....	800
Stockton.....	\$12,400	Catfish.....	11,400
		Salmon.....	1,000
All other ports.....	\$875		

TABLE 7

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for San Francisco Region, Indicating Leading Ports and Species

SAN FRANCISCO REGION_ \$3,619,202		180,963,255 pounds	
San Francisco_-----	\$1,410,300	Sardine_-----	\$540,100
		Shark_-----	523,700
		Crab_-----	159,600
		Smelt_-----	62,700
		Sole_-----	47,800
		Pacific Herring_-----	13,300
		Salmon_-----	12,300
		Sand Dab_-----	9,700
		All other_-----	41,100
Richmond_-----	\$1,192,700	Sardine_-----	1,190,700
		Shrimp_-----	2,000
Point Reyes_-----	\$511,900	Salmon_-----	269,900
		Shark_-----	90,100
		Crab_-----	64,800
		Albacore_-----	60,600
		Rockfish_-----	8,800
		Eastern Oyster_-----	7,500
		All other_-----	10,200
Bay_-----	\$217,400	Shark_-----	87,400
		Salmon_-----	53,400
		Crab_-----	47,200
		Sole_-----	9,000
		Albacore_-----	6,200
		All other_-----	14,200
McNear's Point_-----	\$170,500	Sardine_-----	166,100
		Shrimp_-----	4,400
Menlo Park_-----	\$76,500	Salmon_-----	34,100
		Crab_-----	17,200
		Shark_-----	14,400
		Albacore_-----	9,600
		All other_-----	1,200
Oakland_-----	\$27,800	Crab_-----	26,400
		All other_-----	1,400
Hamlet_-----	\$6,000	Japanese Oyster_-----	6,000
All other ports_-----	\$6,102		

TABLE 8

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for Monterey Region, Indicating Leading Ports and Species

MONTEREY REGION.....	\$5,836,892	458,159,474 pounds	
Monterey.....	\$5,096,600	Sardine.....	\$4,373,000
		Squid.....	260,900
		Salmon.....	171,800
		Pacific Mackerel.....	83,900
		Rockfish.....	42,000
		Shark.....	37,400
		Albacore.....	37,300
		Sablefish.....	25,400
		Smelt.....	16,500
		Kingfish.....	10,300
		All other.....	38,100
Moss Landing.....	\$525,900	Sardine.....	519,500
		Crab.....	4,900
		All other.....	1,500
Santa Cruz.....	\$214,300	Sablefish.....	68,500
		Salmon.....	66,900
		Shark.....	28,100
		Rockfish.....	13,000
		White Sea-bass.....	12,200
		Albacore.....	11,500
		All other.....	14,100
All other ports.....	\$92		

TABLE 9

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for Santa Barbara Region, Indicating Leading Ports and Species

SANTA BARBARA REGION..		\$591,462	4,037,382 pounds	
Santa Barbara.....		\$497,400	Shark.....	\$169,900
			California Halibut.....	55,100
			Broadbill Swordfish.....	41,200
			Barracuda.....	39,200
			Spiny Lobster.....	35,100
			Albacore.....	33,900
			Bonito Tuna.....	28,500
			Bluefin Tuna.....	26,100
			Abalone.....	19,700
			Sole.....	11,500
			White Sea-bass.....	10,100
			Sheepshead.....	8,400
			All other.....	18,700
San Morro.....		\$50,500	Abalone.....	30,900
			Japanese Oyster.....	18,200
			All other.....	1,400
San Luvila.....		\$39,000	Shark.....	20,800
			Albacore.....	14,000
			California Halibut.....	2,600
			All other.....	1,600
Pismo.....		\$3,200	Pismo Clam.....	2,800
			All other.....	400
All other ports.....		\$1,362		

TABLE 10

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for Los Angeles Region, Indicating Leading Ports and Species

LOS ANGELES REGION-----\$11,062,168		420,950,453 pounds	
Terminal Island-----	\$5,830,500	Sardine-----	\$2,279,30
		Yellowfin Tuna-----	1,021.40
		Albacore-----	839.19
		Pacific Mackerel-----	511.50
		Bluefin Tuna-----	493.10
		Skipjack Tuna-----	334.80
		Yellowtail-----	166.80
		Horse Mackerel-----	129.60
		Bonito Tuna-----	54.80
		All other-----	60
Long Beach-----	\$1,740,000	Sardine-----	520.10
		Yellowfin Tuna-----	455.30
		Bluefin Tuna-----	266.10
		Pacific Mackerel-----	130.00
		Skipjack Tuna-----	113.00
		Albacore-----	66.49
		Yellowtail-----	66.20
		Horse Mackerel-----	55.80
		Pismo Clam-----	19.80
		Bonito Tuna-----	17.50
		Shark-----	14.00
		All other-----	14.00
Wilmington-----	\$1,171,500	Yellowfin Tuna-----	410.70
		Sardine-----	307.20
		Skipjack Tuna-----	170.30
		Albacore-----	88.20
		Bluefin Tuna-----	62.90
		Yellowtail-----	42.70
		Pacific Mackerel-----	41.60
		Horse Mackerel-----	29.40
		Bonito Tuna-----	15.80
		Sablefish-----	2.70
Newport-----	\$915,600	Pacific Mackerel-----	384.90
		Albacore-----	185.90
		Barracuda-----	134.70
		Shark-----	90.30
		California Halibut-----	24.20
		Broadbill Swordfish-----	19.80
		Sardine-----	14.80
		Anchovy-----	13.10
		Rock Bass-----	10.80
		Rockfish-----	8.80
		All other-----	28.30

TABLE 10—Continued

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for Los Angeles Region, Indicating Leading Ports and Species

San Pedro.....	\$763,600	Barracuda.....	\$281,900
		Black Sea-bass.....	103,300
		California Halibut.....	54,100
		White Sea-bass.....	53,800
		Shark.....	51,000
		Bluefin Tuna.....	31,400
		Pacific Mackerel.....	22,900
		Cabrilla.....	22,000
		Yellowtail.....	20,800
		Smelt.....	20,600
		Bonito Tuna.....	16,800
		Albacore.....	16,000
		Broadbill Swordfish.....	14,800
		Kingfish.....	8,700
		Rockfish.....	8,600
		Grouper.....	8,400
		All other.....	28,500
Santa Monica.....	\$436,500	Pacific Mackerel.....	221,600
		Barracuda.....	63,500
		Shark.....	51,300
		California Halibut.....	33,400
		Albacore.....	27,100
		White Sea-bass.....	9,200
		Anchovy.....	5,500
		Rockfish.....	5,100
		All other.....	19,800
Redondo Beach.....	\$74,200	Pacific Mackerel.....	69,200
		Spiny Lobster.....	1,500
		All other.....	3,500
Los Angeles.....	\$70,100	Spiny Lobster.....	47,900
		Cabrilla.....	7,800
		White Sea-bass.....	4,800
		All other.....	9,600
Avalon.....	\$39,700	Albacore.....	18,400
		Broadbill Swordfish.....	15,600
		All other.....	5,700
Costa Mesa.....	\$16,200	Shark.....	10,000
		Spiny Lobster.....	5,500
		All other.....	700
All other ports.....	\$4,268		

TABLE 11

CALIFORNIA COMMERCIAL FISH LANDINGS—1943

Values for San Diego, Indicating Leading Ports and Species

SAN DIEGO REGION.....	\$7,746,354	75,315,274 pounds	
San Diego.....	\$6,690,200	Yellowfin Tuna.....	\$2,680,000
		Skipjack Tuna.....	1,749,100
		Albacore.....	1,538,500
		Spiny Lobster.....	142,500
		Barracuda.....	127,700
		California Halibut.....	62,600
		Yellowtail.....	59,100
		Black Sea-bass.....	51,500
		Bluefin Tuna.....	48,400
		Bonito Tuna.....	39,600
		Sardine.....	38,500
		Pismo Clam.....	34,600
		White Sea-bass.....	22,600
		Rockfish.....	19,800
		Shark.....	17,100
		Rock Bass.....	10,700
		All other.....	47,900
Point Loma.....	\$1,053,900	Albacore.....	441,300
		Yellowfin Tuna.....	313,000
		Skipjack Tuna.....	214,500
		Bluefin Tuna.....	35,100
		Sardine.....	19,500
		Pacific Mackerel.....	13,000
		Yellowtail.....	11,900
		Bonito Tuna.....	5,600
All other ports.....	\$2,254		

TABLE 12

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Eureka Region, Indicating Leading Ports and Species

EUREKA REGION.....	\$1,779,785	17,255,829 pounds	
Eureka.....	\$1,197,900	Salmon.....	\$337,400
		Rockfish.....	243,300
		Sole.....	209,700
		Shark.....	161,100
		Sablefish.....	90,000
		Northern Halibut.....	38,400
		Pacific Cultus.....	34,300
		Whitebait.....	23,300
		Sand Dab.....	15,800
		Crab.....	15,400
		Starry Flounder.....	10,500
		Albacore.....	9,300
		All other.....	9,400
Fort Bragg.....	\$409,900	Salmon.....	267,700
		Sablefish.....	102,600
		Shark.....	10,100
		Pacific Cultus.....	9,500
		Albacore.....	5,400
		Northern Halibut.....	3,700
		All other.....	10,900
Crescent City.....	\$166,500	Salmon.....	114,000
		Crab.....	24,700
		Whitebait.....	7,600
		Pacific Cultus.....	6,700
		Shark.....	4,200
		All other.....	9,300
All other ports.....	\$5,485		

TABLE 13

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Sacramento Region, Indicating Leading Ports and Species

SACRAMENTO REGION...	\$1,460,489	82,825,602 pounds	
Pittsburg.....	\$660,200	Sardine.....	\$278,600
		Salmon.....	238,900
		Shad.....	96,000
		Catfish.....	45,700
		All other.....	1,000
Benicia.....	\$356,500	Sardine.....	356,500
Martinez.....	\$157,700	Salmon.....	78,800
		Sardine.....	68,700
		Shad.....	10,200
Port Chicago.....	\$144,100	Sardine.....	137,800
		Salmon.....	3,800
		Shad.....	2,500
Sacramento.....	\$64,600	Salmon.....	47,500
		Catfish.....	16,200
		All other.....	900
Collinsville.....	\$55,500	Salmon.....	43,500
		Shad.....	12,000
Stockton.....	\$21,300	Catfish.....	17,800
		Salmon.....	3,500
All other ports.....	\$589		

TABLE 14

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for San Francisco Region, Indicating Leading Ports and Species

AN FRANCISCO REGION_	\$3,683,230	218,162,866 pounds	
Richmond_	\$1,441,300	Sardine_	\$1,437,500
		Shrimp_	3,800
San Francisco_	\$1,309,300	Sardine_	649,500
		Shark_	270,100
		Crab_	176,500
		Smelt_	78,900
		Sole_	49,900
		Salmon_	34,900
		Sand Dab_	11,200
		All other_	38,300
Point Reyes_	\$377,900	Salmon_	278,800
		Crab_	78,200
		Eastern Oyster_	10,600
		All other_	10,300
Bay_	\$251,300	Salmon_	103,300
		Crab_	68,200
		Shark_	29,100
		Sole_	18,100
		Abalone_	15,400
		All other_	17,200
McNears Point_	\$209,900	Sardine_	206,900
		Shrimp_	3,000
Menlo Park_	\$36,900	Salmon_	20,400
		Crab_	9,200
		Abalone_	6,900
		All other_	400
Oakland_	\$34,200	Crab_	31,200
		All other_	3,000
Hamlet_	\$11,700	Japanese Oyster_	11,700
All other ports_	\$10,730		

TABLE 15

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Monterey Region, Indicating Leading Ports and Species

MONTEREY REGION.....	\$6,352,114	517,393,136 pounds	
Monterey.....	\$5,383,800	Sardine.....	\$4,877,600
		Squid.....	297,000
		Salmon.....	50,700
		Albacore.....	35,600
		Sablefish.....	33,800
		Pacific Mackerel.....	17,100
		Kingfish.....	11,100
		Shark.....	11,000
		Rockfish.....	10,100
		Smelt.....	8,600
		All other.....	31,200
Moss Landing.....	\$700,200	Sardine.....	694,200
		Crab.....	3,200
		All other.....	2,800
Santa Cruz.....	\$267,400	Sablefish.....	142,600
		Salmon.....	39,700
		Shark.....	21,300
		Rockfish.....	19,200
		Crab.....	14,600
		Sole.....	10,800
		Kingfish.....	5,500
		All other.....	13,700
All other ports.....	\$714		

TABLE 16

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Santa Barbara Region, Indicating Leading Ports and Species

SANTA BARBARA REGION	\$549,914	4,391,389 pounds	
Santa Barbara.....	\$445,100	California Halibut.....	\$93,400
		Abalone.....	88,800
		Albacore.....	68,700
		Shark.....	48,500
		Broadbill Swordfish.....	41,700
		Spiny Lobster.....	34,700
		Bluefin Tuna.....	14,900
		Barracuda.....	12,900
		Sheepshead.....	9,000
		White Sea-bass.....	8,400
		All other.....	24,100
Morro.....	\$41,500	Japanese Oyster.....	24,000
		Abalone.....	17,300
		Pismo Clam.....	200
San Simeon.....	\$29,700	Albacore.....	29,700
Avila.....	\$19,900	Albacore.....	7,400
		Shark.....	5,800
		California Halibut.....	3,600
		All other.....	3,100
Cambria.....	\$6,700	Abalone.....	6,700
Pismo Beach.....	\$3,500	Pismo Clam.....	2,500
		All other.....	1,000
All other ports.....	\$3,514		

TABLE 17

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Los Angeles Region, Indicating Leading Ports and Species

LOS ANGELES REGION-----\$13,136,001		533,597,774 pounds	
Terminal Island-----	\$7,394,100	Sardine-----	\$2,874.800
		Yellowfin Tuna-----	1,366,300
		Bluefin Tuna-----	1,307,700
		Albacore-----	780,000
		Skipjack Tuna-----	467,000
		Pacific Mackerel-----	389,800
		Horse Mackerel-----	130,100
		Yellowtail-----	64,400
		Bonito Tuna-----	8,000
		All other-----	6,000
Long Beach-----	\$2,345,600	Sardine-----	725,500
		Bluefin Tuna-----	428,600
		Yellowfin Tuna-----	409,300
		Pismo Clam-----	313,700
		Pacific Mackerel-----	187,100
		Skipjack Tuna-----	126,600
		Horse Mackerel-----	61,200
		Albacore-----	30,700
		Yellowtail-----	22,500
		Anchovy-----	15,300
		Spiny Lobster-----	9,200
		All other-----	15,900
Wilmington-----	\$1,185,000	Yellowfin Tuna-----	503,500
		Sardine-----	346,200
		Skipjack Tuna-----	150,000
		Bluefin Tuna-----	68,500
		Pacific Mackerel-----	39,600
		Yellowtail-----	28,900
		Horse Mackerel-----	22,500
		Albacore-----	11,500
		Anchovy-----	10,100
		Mullet-----	4,200
Newport-----	\$779,600	Pacific Mackerel-----	462,000
		Barracuda-----	78,000
		Shark-----	74,400
		Albacore-----	43,500
		California Halibut-----	34,200
		Broadbill Swordfish-----	24,900
		Sardine-----	17,300
		Anchovy-----	17,200
		Rock Bass-----	8,100
		All other-----	20,000
Santa Monica-----	\$619,500	Pacific Mackerel-----	454,700
		Barracuda-----	57,600
		Shark-----	45,700
		California Halibut-----	40,100
		Anchovy-----	4,200
		All other-----	17,200

TABLE 17—Continued

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for Los Angeles Region, Indicating Leading Ports and Species

San Pedro.....	\$594,800	Barracuda.....	\$226,500
		California Halibut.....	58,500
		Black Sea-bass.....	43,600
		Yellowtail.....	34,400
		Shark.....	32,700
		White Sea-bass.....	30,200
		Cabrilla.....	27,200
		Spiny Lobster.....	25,000
		Pacific Mackerel.....	24,300
		Smelt.....	14,700
		Bluefin Tuna.....	13,800
		Bonito Tuna.....	10,700
		Albacore.....	10,400
		All other.....	42,800
Redondo Beach.....	\$132,200	Pacific Mackerel.....	123,600
		Barracuda.....	4,000
		Spiny Lobster.....	2,900
		All other.....	1,700
Avalon.....	\$61,900	Broadbill Swordfish.....	58,700
		All other.....	3,200
Costa Mesa.....	\$10,000	Shark.....	7,300
		All other.....	2,700
All other ports.....	\$13,301		

TABLE 18

CALIFORNIA COMMERCIAL FISH LANDINGS—1944

Values for San Diego Region, Indicating Leading Ports and Species

AN DIEGO REGION.....	\$9,167,912	85,315,045 pounds	
San Diego.....	\$7,838,300	Yellowfin Tuna.....	\$3,499,800
		Albacore.....	1,949,300
		Skipjack.....	1,677,800
		Spiny Lobster.....	162,200
		Broadbill Swordfish.....	92,600
		Barracuda.....	86,300
		Yellowtail.....	75,500
		Bluefin Tuna.....	67,600
		California Halibut.....	50,200
		Bonita Tuna.....	35,100
		Black Sea-bass.....	29,100
		Sardine.....	25,000
		Shark.....	23,500
		Grouper.....	14,600
		Mullet.....	10,800
		Rock Bass.....	8,800
		All other.....	30,100
Point Loma.....	\$1,326,500	Albacore.....	498,600
		Yellowfin Tuna.....	489,200
		Skipjack.....	272,800
		Bluefin Tuna.....	37,300
		Sardine.....	14,800
		Yellowtail.....	8,500
		Bonito Tuna.....	5,300
All other ports.....	\$3,112		

COMMERCIAL FISHERMEN

The commercial fishing license season in California is from April 1st of one year through March 31st of the following calendar year. Although there was considerable turnover in the personnel of the fleet as a result of the war, the tables of number of licenses sold show a rather steady increase from season to season. Many fishermen entered the armed services or defense plants and were replaced by new men, but such changes do not appear in a table of totals. The elimination of alien fishermen from the fleet after Pearl Harbor Day resulted only in a small drop in the total number of fishermen in the season 1942-1943. The increased number in 1943-1944 probably is to be partially explained by the fact that some operators of sport fishing and pleasure boats were attracted to commercial trolling by the large albacore catch of 1942 and the record catch of 1943. Also many pleasure boat operators purchased licenses and registered their boats with the Division of Fish and Game in the hope that the United States Coast Guard would give them clearance from port as commercial fishermen. In other cases the license was purchased so that it could be used to influence local boards in draft classification and gasoline allotments. As a result, several hundred license holders did not deliver fish. It is probable that the number of commercial licenses sold in future years will more closely indicate the number of active fishermen.

NUMBER OF COMMERCIAL FISHING LICENSES SOLD IN CALIFORNIA

1937-1938	7,665
1938-1939	7,793
1939-1940	8,724
1940-1941	9,047
1941-1942	9,344
1942-1943	9,043
1943-1944	11,804
1944-1945	10,871

TABLE 19
NATIVITY OF LICENSED FISHERMEN
License Year 1943-1944

	<i>Number of fishermen</i>
United States.....	7,880
Italy.....	1,374
Jugoslavia.....	909
Norway.....	360
Portugal.....	341
Great Britain.....	245
Sweden.....	94
Russia.....	64
Mexico.....	63
Denmark.....	61
Spain.....	59
Finland.....	56
Germany.....	54
Greece.....	51
Netherlands.....	28
France.....	23
All others.....	142
Total licensed fishermen.....	11,804

TABLE 20
NATIVITY OF LICENSED FISHERMEN
License Year 1944-1945

	<i>Number of fishermen</i>
United States.....	6,836
Italy.....	1,400
Jugoslavia.....	896
Norway.....	460
Portugal.....	348
Great Britain.....	211
Sweden.....	107
Mexico.....	74
Spain.....	63
Denmark.....	62
Germany.....	55
Finland.....	52
Russia.....	52
Greece.....	48
Austria.....	44
France.....	27
Netherlands.....	22
All others.....	114
Total licensed fishermen.....	10,871

DIVISION OF FISH AND GAME

TABLE 21

CITIZENSHIP

1943-1944 Licensed Commercial Fishermen

Citizens:	
United States born.....	7,880
Foreign-born United States citizens.....	13
Naturalized citizens.....	2,625
Noncitizens:	
First naturalization papers.....	758
Aliens.....	411
Nativity not given.....	28
Citizenship not given.....	89
Total licensed commercial fishermen, license year April 1, 1943, through March 31, 1944.....	11,804

TABLE 22

CITIZENSHIP

1944-1945 Licensed Commercial Fishermen

Citizens:	
United States born.....	6,836
Foreign-born United States citizens.....	7
Naturalized citizens.....	2,901
Noncitizens:	
First naturalization papers.....	553
Aliens.....	471
Nativity not given.....	26
Citizenship not given.....	77
Total licensed commercial fishermen, license year April 1, 1944, through March 31, 1945.....	10,871

TABLE 23

CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1943-1944

<i>Region of residence</i>	<i>Nativity</i>	<i>Number of fishermen</i>	<i>Total</i>
San Francisco	United States	205	315
	Finland	32	
	Denmark	13	
	Norway	13	
	Sweden	13	
	All others	39	
San Francisco	United States	277	442
	Italy	119	
	Greece	22	
	All others	24	
San Francisco	United States	732	1,347
	Italy	381	
	Norway	81	
	Jugoslavia	32	
	Great Britain	27	
	Sweden	24	
	All others	70	
San Francisco	United States	477	968
	Italy	374	
	Spain	37	
	Portugal	18	
	All others	62	
Santa Barbara	United States	227	276
	Italy	11	
	All others	38	
Los Angeles	United States	4,955	6,537
	Jugoslavia	819	
	Italy	235	
	Great Britain	170	
	Norway	59	
	Russia	45	
	All others	254	
San Diego	United States	894	1,552
	Portugal	280	
	Italy	245	
	Mexico	31	
	All others	102	
Alaska, Washington and Oregon fishermen licensed in California	Norway	181	354
	United States	113	
	Jugoslavia	32	
	All others	28	
Mexican fishermen licensed in California	Mexico	13	13
Total licensed commercial fishermen, April 1, 1943, through March 31, 1944			11,804

TABLE 24
CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1944-1945

<i>Region of residence</i>	<i>Nativity</i>	<i>Number of fishermen</i>	<i>Total</i>
Eureka.....	United States.....	252	365
	Finland.....	30	
	Denmark.....	17	
	Sweden.....	16	
	Norway.....	14	
	All others.....	36	
Sacramento.....	United States.....	329	501
	Italy.....	125	
	Greece.....	19	
	All others.....	28	
San Francisco.....	United States.....	824	1,459
	Italy.....	390	
	Norway.....	82	
	Jugoslavia.....	37	
	Sweden.....	26	
	Great Britain.....	24	
	All others.....	86	
Monterey.....	United States.....	507	1,007
	Italy.....	375	
	Spain.....	43	
	Portugal.....	15	
	All others.....	67	
Santa Barbara.....	United States.....	293	347
	Italy.....	14	
	All others.....	40	
Los Angeles.....	United States.....	3,503	4,978
	Jugoslavia.....	788	
	Italy.....	228	
	Great Britain.....	131	
	Norway.....	55	
	Austria.....	33	
	Russia.....	33	
	Finland.....	27	
	Sweden.....	27	
	All others.....	153	
San Diego.....	United States.....	963	1,648
	Portugal.....	279	
	Italy.....	259	
	Great Britain.....	29	
	Mexico.....	28	
	Sweden.....	23	
Alaska, Washington and Oregon fishermen licensed in California.....	All others.....	67	522
	Norway.....	279	
	United States.....	165	
	Jugoslavia.....	45	
Mexican fishermen licensed in California.....	All others.....	33	34
	Mexico.....	34	
Total licensed commercial fishermen, April 1, 1944, through March 31, 1945.....			10,871

COMMERCIAL FISHING FLEET

Commercial fishing boats are registered with the California Division of Fish and Game by the license season which is April 1st through the following March 31st. The total figures showing the number of boats registered each season do not fully explain the changes that have occurred in the fleet. In order to contrast small and large boats in the accompanying table the boats are divided into those under 40 feet in length and those 40 feet and over.

Commercial Fishing Fleet

Season	Under 40 feet	40 feet and over	Total
1939-1940	2253	857	3110
1940-1941	2510	944	3454
1941-1942	2331	871	3202
1942-1943	2264	701	2965
1943-1944	2929	797	3726
1944-1945	2852	930	3782

The 1943-1944 increase of 665 small boats over the previous season was due largely to the increased registration of pleasure and fishing boats. The small boat totals for the last two seasons are normally high and do not represent the boats of this class that were fully engaged in full time commercial fishing.

The registration of large fishing boats, as contrasted with boats under 40 feet, represents active units of the fishing fleet. The numbers registered during the last two seasons show an increase over the early war years and almost equal the numbers registered during the prewar seasons. The first years of the war roughly 95 purse seine boats and 38 tuna boats were taken over by our armed services. When the government boat building program began to catch up with our war needs, the fishing vessels which had been used by the government as substitutes were gradually relinquished to their original owners. The increase in numbers of the large boats registered during the last two seasons may be accounted for by the return of these vessels to commercial fishing together with the construction of new boats during the war period and the transfer of some boats to this State from Washington and Oregon.

TABLE 25
COMMERCIAL FISHING FLEET—1943-1944

Region of home port	Number of boats, grouped by length					Total number of boats for each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 feet and over	
San Francisco	23	210	53			286
San Francisco	108	140	4			252
San Francisco	43	399	77	22	2	543
San Francisco	119	187	23	30		359
San Francisco	31	73	25			129
San Francisco	382	950	238	94	14	1,678
San Francisco	81	178	78	40	27	404
San Francisco		5	15	51	4	75
San Francisco	787	2,142	513	237	47	3,726

TABLE 26
COMMERCIAL FISHING FLEET—1944-1945

Region of home port	Number of boats, grouped by length					Total number of boats for each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 feet and over	
Eureka.....	30	225	55	-----	-----	310
Sacramento.....	129	150	4	-----	-----	283
San Francisco.....	68	471	92	22	2	655
Monterey.....	98	203	21	56	1	379
Santa Barbara.....	38	63	26	-----	-----	127
Los Angeles.....	264	815	266	107	15	1,467
San Diego.....	80	212	89	37	37	455
Alaska, Washington and Oregon.....	-----	6	40	55	5	106
Total number of boats.....	707	2,145	593	277	60	3,782

FISHING-PARTY VESSELS

Every person operating a fishing-party vessel for profit in this State must first obtain from the Division of Fish and Game a permit good for one calendar year. A record of these party-permit boats is included with the regular commercial fishing fleet because they draw upon the same supply of fish. The majority of the owners and operators hold commercial fishing licenses and sell the excess catch to the fresh fish markets and canneries.

The number of party vessels under permit has dropped steadily from 553 in 1941 to 235 in 1944. During this four-year period ocean sport fishing was so curtailed that many of the party boats turned to commercial fishing and some were tied up in port awaiting a happier day when Coast Guard restrictions and gasoline rationing could be lifted.

TABLE 27
FISHING PARTY VESSELS

	1943	1944
Boat owners with market fishermen's licenses.....	202	173
Boat owners with party permits only.....	79	62
Total party-permit or "sport" boats.....	281	235

SHIPMENTS INTO CALIFORNIA

The primary object of this bulletin is to record the fish delivered by commercial fishing boats to California ports. In addition shipments of fresh fish by truck, rail or cargo vessel to California from outside the State are included. Shipments of frozen, processed or canned fish to markets and wholesalers are not included.

1943 shipments included in the state-wide tables are as follows:

	<i>Pounds</i>
To canneries from south of the international boundary, Pismo clam only -----	565,764
To fresh fish markets from south of the international boundary—	
Spiny lobster -----	218,692
Miscellaneous fish -----	284,249

1944 shipments included in the state-wide tables are as follows:

	<i>Pounds</i>
To canneries from north of the State line, albacore only -----	2,535,547
To canneries from south of the international boundary—	
Yellowfin tuna -----	899,862
Skipjack tuna -----	72,859
Pismo clam -----	11,719,792
To fresh fish markets from south of the international boundary—	
Spiny lobster -----	147,878
Miscellaneous fish -----	10,740

STATISTICAL REGIONS

The boundaries of the regions of landings shown in the tables are as follows:

Eureka region: Del Norte, Humboldt and Mendocino counties.

Sacramento region: Sacramento and San Joaquin river systems with the delta areas, including Suisun Bay and Lake County.

San Francisco region: Sonoma, Marin, San Francisco and San Mateo counties, including San Francisco and San Pablo bays; Alameda and Contra Costa counties to Carquinez Straits.

Monterey region: Santa Cruz and Monterey counties.

Santa Barbara region: San Luis Obispo, Santa Barbara and Ventura counties.

Los Angeles region: Los Angeles and Orange counties.

San Diego region: San Diego and Imperial counties.

CONVERSION FACTORS

The following conversion factors are used when shellfish are reported in numbers rather than in pounds; or cleaned weight instead of round weight:

Crabs, 2 pounds each; abalones, 50 pounds per dozen; gaper clams, 2 pounds each; Pismo clams, 24 pounds per limit of 15; Mexican Pismo clams, 8 pounds for each 1 pound cleaned weight; Washington claims, 7 pounds per dozen; eastern oysters, 30 pounds per hundred; Japanese oysters, 50 pounds per hundred or 8 pounds per gallon cleaned.

TABLE 28

ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1943

Species	California	North of the State Boundary	South of the International Boundary	Total pounds
Anchovy	1,570,803			1,570,803
Barracuda	2,382,824		1,392,454	3,775,278
Cabezone	7,519			7,519
Cabrilla			233,886	233,886
Carp	17,241			17,241
Catfish	209,485			209,485
Corbina, Mexican			5,106	5,106
Cultus, Pacific	718,703	425	190	719,318
Flounder, Starry	504,391	1,008		505,399
Flying Fish	2,271			2,271
Grouper			81,887	81,887
Hake	10,499			10,499
Halibut, California	710,894		410,779	1,121,673
Halibut, Northern	270,881	565		271,446
Hardhead	2,796			2,796
Herring, Pacific	630,358			630,358
Kingfish	396,606		27	396,633
Mackerel, Horse	12,698,931			12,698,931
Mackerel, Pacific	75,249,954		13,928	75,263,882
Mackerel, Spanish			18,652	18,652
Mullet	66,063		7,218	73,281
Perch	112,822		213	113,035
Pike	273			273
Pompano, California	5,168			5,168
Rock Bass	144,203		53,929	198,132
Rockfish	2,555,556	346	206,290	2,762,192
Sablefish	3,203,905		1,469	3,205,374
Salmon	6,580,934			6,580,934
Sand Dab	504,329	1,009		505,338
Sardine	972,269,390		525	972,269,915
Sculpin	35,983		6,567	42,550
Sea-bass, Black	19,271		681,584	700,855
Sea-bass, White	379,178		121,005	500,183
Shad	2,348,047			2,348,047
Shark	3,680,481	36,319	12,534	3,729,334
Sheepshead	124,698		26,350	151,048
Skate	80,909		200	81,109
Smelt	1,565,059		1,214	1,566,273
Sole	4,759,757	22,420	202	4,782,379
Split-tail	10,925		10,925	
Swordfish, Broadbill	317,628		18,758	336,386
Tuna, Albacore	11,885,815		9,499,049	21,384,864
Tuna, Bluefin	7,663,887		2,514,881	10,178,768
Tuna, Bonito	801,535		1,480,764	2,282,299
Tuna, Skipjack	17,904		28,875,880	28,893,784
Tuna, Yellowfin	2,058		49,259,270	49,261,328
Turbot	38,047			38,047
Whitebait	141,367			141,367
Whitefish, Ocean	42,015		55,419	97,434
Yellowtail	33,346		4,901,520	4,934,866
Miscellaneous Fish	158,698		2,261	160,959
Crustacean:				
Crab	2,315,338			2,315,338
Lobster, Spiny	298,377		687,148	985,525
Shrimp	253,258			253,258
Mollusk:				
Abalone	680,274		170	680,444
Clam, Gaper	120			120
Clam, Pismo	45,870		565,764	611,634
Clam, Soft-shell	46,557			46,557
Clam, Washington	728			728
Octopus	18,020			18,020
Oyster, Eastern	79,878			79,878
Oyster, Japanese	741,105			741,105
Oyster, Native	30,448			30,448
Squid	9,164,361			9,164,361
Total pounds	1,128,607,741	62,092	101,137,093	1,229,806,926

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For detail see page 41.

TABLE 29

POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1943

Species	Eureka Region		Sacramento Region		San Francisco Region		Monterey Region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy					78,793	\$2,553	198,432	\$3,460
Baracuda					140	6	7,379	194
Cabezone								
Cabrilla					506	41		
Carp			16,735	\$601				
Catfish			209,485	46,925				
Corbina, Mexican								
Cutlus, Pacific	478,755	\$44,713			151,410	12,712	84,802	7,159
Flounder, Starry	311,135	13,889			160,003	8,278	14,279	926
Flying Fish								
Grouper								
Hake	6,427	828			3,087	57	1,015	11
Halibut, California					10,869	1,612	15,511	3,106
Halibut, Northern	270,376	52,116			1,070	186		
Hardhead			2,796	512				
Herring, Pacific	125,584	3,086			495,132	13,999	9,190	128
Kingfish					4,829	381	205,656	14,332
Mackerel, Horse			155,500	*16			162,793	10,678
Mackerel, Pacific			231,500	*23	151,191	2,505	4,430,090	84,103
Mackerel, Spanish								
Mullet								
Perch	24,597	1,980			28,694	3,618	13,879	1,223
Pike			273	20				
Pompano, California					198	162	396	271
Rock Bass								
Rockfish	1,375,468	62,334			202,781	17,920	684,754	55,087
Sablefish	1,907,664	166,809			36,901	3,135	1,221,784	93,900
Salmon	2,162,368	416,760	1,295,424	202,140	2,021,208	399,907	1,101,934	238,817
Sand Dab	280,395	18,120			743,862	10,154	76,023	7,469
Sardine	462	14	73,645,540	809,891	171,050,277	1,897,467	439,702,334	4,893,073
Sculpin								
Sea-bass, Black								
Sea-bass, White	3,114	557			13,948	2,832	62,897	12,607
Shad			2,347,902	114,633			145	10
Shark	1,070,856	723,615			1,064,882	716,825	326,768	65,540
Sheepshead								
Skate	16,696	213			34,116	520	16,777	431
Smelt	66,851	5,911			969,619	63,352	292,011	16,950
Sole	3,449,278	188,952			996,257	56,864	86,134	6,075
Split-tail			10,925	614				
Swordfish, Broadbill								

Tuna, Albacore.....	488,361	79,364	---	---	474,332	77,008	300,549	48,831
Tuna, Bluefin.....	---	---	---	---	43,182	4,102	112	18
Tuna, Bonito.....	---	---	---	---	---	---	---	---
Tuna, Skipjack.....	---	---	---	---	---	---	---	---
Tuna, Yellowfin.....	---	---	---	---	---	---	---	---
Turbot.....	6,401	390	---	---	13,196	894	705	45
Whitebait.....	137,880	19,859	---	---	3,487	494	---	---
Whitefish, Ocean.....	---	---	---	---	---	---	---	---
Yellowtail.....	---	---	---	---	---	---	---	---
Miscellaneous Fish.....	49,150	2,263	---	---	26,174	1,458	2,229	73
Crustacean:	---	---	---	---	---	---	---	---
Crab.....	229,083	27,940	---	---	2,021,556	315,498	64,724	9,849
Lobster, Spiny.....	---	---	---	---	---	---	---	---
Shrimp.....	---	---	---	---	253,215	9,956	43	12
Mollusk:	---	---	---	---	---	---	---	---
Abalone.....	---	---	---	---	---	---	---	---
Clam, Gaper.....	---	---	---	---	5,891	707	100	12
Clam, Pismo.....	---	---	---	---	120	3	---	---
Clam, Soft-shell.....	---	---	---	---	---	---	---	---
Clam, Washington.....	---	---	---	---	---	---	---	---
Octopus.....	728	36	---	---	46,557	2,794	---	---
Oyster, Eastern.....	3,404	221	---	---	---	---	---	---
Oyster, Japanese.....	---	---	---	---	4,962	346	9,552	1,150
Oyster, Native.....	---	---	---	---	79,878	7,483	---	---
Squid.....	---	---	---	---	301,454	11,424	---	---
---	---	---	---	---	30,448	474	---	---
---	---	---	---	---	39,060	1,475	9,065,688	261,166
Total pounds and value.....	12,465,008	\$1,829,970	77,916,080	\$1,175,375	180,963,255	\$3,619,202	458,159,474	\$5,836,892

* The fishermen are not paid for Pacific and horse mackerel caught incidentally in the sardine fishery and delivered to canneries in this region.

TABLE 29—Continued
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1943

Species	Santa Barbara Region		Los Angeles Region		San Diego Region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy			1,293,493	\$23,179	85	\$3	1,570,803	\$29,195
Barracuda			2,824,896	480,371	759,842	127,793	3,775,278	656,372
Cabezone		\$39,208					7,519	200
Cabrilla	190,540		186,980	29,840	46,956	6,129	293,886	35,969
Carp							17,241	642
Catfish							209,485	40,925
Corbina, Mexican			5,076	339	30	10	5,106	349
Cultus, Pacific	1,857	176	1,273	120	1,221	130	719,318	65,010
Flounder, Starry	18,043	747	1,939	251			505,399	24,091
Flying Fish			2,271	136			2,271	136
Grouper			38,772	8,374	43,115	7,202	81,887	15,576
Hake							10,499	896
Halibut, California	352,263	57,781	503,100	113,543	239,930	62,628	1,121,673	233,670
Halibut, Northern							271,446	53,302
Hardhead							2,796	512
Herring, Pacific	432						630,358	17,239
Kingfish	368	15	183,534	10,533	2,246	183	396,633	25,444
Mackerel, Horse			12,379,755	883		53	12,698,931	235,875
Mackerel, Pacific			69,698,805	1,384,247	659,516	18,410	75,263,882	1,492,954
Mackerel, Spanish	92,780	3,666	6,043	774	12,609	711	18,652	1,485
Mullet					73,281	8,712	73,281	8,712
Perch	20,244	1,199	25,621	3,491			113,083	11,511
Pike							273	20
Pompano, California			4,549	1,363	25	8	5,168	1,804
Rock Bass	15,784	1,971	119,096	18,513	63,252	10,964	198,132	31,448
Rockfish	85,130	6,997	222,629	23,330	191,430	19,873	2,762,192	185,541
Sablefish	3,409	303	34,147	3,331	1,469	158	3,205,374	267,636
Salmon							6,580,934	1,227,624
Sand Dab			6,068	948			508,338	36,891
Sardine	362	40	282,710,040	3,123,391	5,160,900	57,982	972,269,915	10,781,858
Sculpin	1,680	76	29,372	3,078	11,498	1,324	42,550	4,478
Sea-bass, Black	1,832	266	437,782	105,562	261,231	51,480	700,855	157,298
Sea-bass, White	55,837	10,440	284,652	73,420	79,735	22,941	500,183	122,797
Shad							2,348,047	114,043
Shark	478,980	192,112	574,578	217,937	213,270	17,153	3,729,334	1,933,182
Sheepshead	96,653	8,416	27,635	2,872	26,760	2,653	151,048	13,941
Skate	4,292	120	9,228	397			81,109	1,681
Smelt	10,107	793	226,319	21,927	1,366	115	1,566,273	109,048
Sole	232,647	11,726	18,023	1,580	40	6	4,782,379	265,203

Split-tail.....								10,925	614
Swordfish, Broadbill.....	134,835	41,171	174,562	53,009	26,989	8,250	336,386	102,430	102,430
Tuna, Albacore.....	294,675	47,864	7,666,638	1,244,569	12,160,309	1,979,781	21,384,894	3,477,417	3,477,417
Tuna, Bluefin.....	275,809	26,086	8,981,401	853,885	878,286	83,489	10,178,768	967,562	967,562
Tuna, Bonita.....	367,637	28,472	1,359,112	107,676	555,438	45,188	2,282,299	181,354	181,354
Tuna, Skipjack.....			7,006,948	619,231	21,886,836	1,963,619	28,893,784	2,882,850	2,882,850
Tuna, Yellowfin.....			19,059,273	1,887,517	30,202,055	2,993,023	49,261,328	4,880,940	4,880,940
Turbot.....	17,745	708					38,047	2,037	2,037
Whitebait.....							141,367	20,353	20,353
Whitefish, Ocean.....	22,412	2,061	22,763	2,986	52,259	5,862	97,434	10,909	10,909
Yellowtail.....			4,035,639	297,725	899,227	70,997	4,934,866	368,722	368,722
Miscellaneous Fish.....	20,071	1,860	62,249	6,602	1,086	102	160,969	12,358	12,358
Crustacean:									
Crab.....									
Lobster, Spiny.....	125,528	35,111	299,383	77,207	560,614	143,835	2,315,338	353,287	353,287
Shrimp.....							985,525	256,153	256,153
							253,258	9,068	9,068
Mollusk:									
Abalone.....	631,558	50,525	42,725	3,503	170	39	680,444	54,786	54,786
Clam, Gaper.....							120	3	3
Clam, Pismo.....	44,111	3,304	356,849	19,788	208,915	34,533	611,634	57,911	57,911
Clam, Soft-shell.....							46,557	2,794	2,794
Clam, Washington.....							728	36	36
Octopus.....			72	23			18,020	1,740	1,740
Oyster, Eastern.....							79,878	7,483	7,483
Oyster, Japanese.....	439,651	18,232					741,105	29,556	29,556
Oyster, Native.....							30,448	474	474
Squid.....			27,213	1,472	32,400	915	9,164,361	265,028	265,028
Total pounds and value.....	4,037,382	\$591,462	420,950,453	\$11,062,168	75,315,274	\$7,746,354	1,229,806,926	\$31,861,423	\$31,861,423

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For detail see page 41.

TABLE 30
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1943

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchorovy.....	103,440	12,105	32,158	94,835	156,457	197,335	105,610	65,308	306,806	382,268	111,322	3,159	1,570,803
Baracuda.....	86,087	196,477	276,076	234,466	591,696	788,028	324,276	221,982	178,482	387,682	359,972	129,554	3,775,278
Cabezone.....	130	326	324	1,119	2,316	2,234	85	82	40	101	363	203	7,519
Cabrilla.....	51,427	62,838	10,542	12,524	3,650	3,032	17,270	12,671	16,790	71	10,687	33,084	233,886
Carp.....	4,109	4,109	3,154	2,990	1,583	220	---	627	405	1,431	1,546	889	17,241
Catfish.....	9,801	8,808	30,848	32,466	757	---	---	---	20,153	23,812	46,603	37,237	209,485
Cornwall, Mexican.....	---	202	---	---	---	---	---	---	---	30	---	4,874	5,106
Cultus.....	30,706	45,891	165,677	50,513	58,186	70,651	39,617	51,592	45,616	39,686	75,993	45,190	719,318
Cultus, Pacific.....	19,424	25,303	43,685	13,940	41,565	59,211	61,940	84,504	44,798	24,701	42,963	43,365	505,399
Flounder, Starry.....	---	---	---	---	1,186	685	400	---	---	---	---	---	2,271
Flying Fish.....	---	1,631	4,807	155	445	522	---	8,101	---	---	31,079	19,082	81,887
Grouper.....	16,065	60	---	1,482	200	32	1,001	---	2,265	554	3,547	1,358	10,499
Hake.....	75,270	110,943	150,209	98,611	67,269	41,370	41,164	63,330	119,700	165,636	135,134	63,037	1,121,673
Halibut, California.....	790	21	835	53,007	105,988	90,013	7,218	7,002	3,592	1,734	1,122	124	271,446
Halibut, Northern.....	1,077	---	700	---	---	---	---	---	---	---	935	84	2,796
Herring, Pacific.....	79,162	398,977	55,015	13	285	2,122	2,000	9,125	66,806	24,332	24,355	20	82,639
Kingfish.....	19,125	19,488	40,857	49,193	38,509	33,992	30,155	9,991	66,806	24,332	24,355	39,330	396,633
Mackerel, Horse.....	4,203,646	393,959	37,872	52,255	12,348	9,948	10,762	1,429,730	1,014,865	306,490	4,933,788	293,268	12,698,031
Mackerel, Pacific.....	3,377,797	1,580,913	653,915	50,581	188,100	539,055	239,501	3,337,856	11,690,054	17,684,831	25,393,087	10,528,192	75,263,882
Mackerel, Spanish.....	220	1,351	60	---	---	203	---	---	1,537	11,838	2,497	10,663	18,652
Mullet.....	---	9,766	30,204	9,854	1,185	---	---	---	681	2,432	11,063	8,116	73,281
Perch.....	3,055	9,607	19,952	23,489	940	123	7,686	17,026	8,260	9,419	6,285	7,293	113,055
Pike.....	6	---	121	66	14	3	---	6	7	15	---	35	273
Pompano, California.....	87	1,468	520	310	494	613	137	81	259	531	315	353	5,168
Rock Bass.....	7,931	8,829	5,712	3,960	15,807	40,631	9,115	15,760	10,052	17,683	33,711	28,941	198,132
Rockfish.....	200,244	282,186	302,857	161,629	255,478	291,945	228,813	166,596	287,722	197,756	279,836	137,130	2,762,192
Sablefish.....	97,011	201,465	363,805	411,330	245,327	405,823	216,990	139,066	330,802	290,625	318,312	194,798	3,205,374
Salmon.....	9,184	18,662	56,649	347,153	573,637	1,179,403	1,419,493	1,664,441	1,245,866	44,140	6,669	15,737	6,580,934
Sand Dab.....	24,798	29,093	47,520	63,246	66,229	54,394	50,234	66,272	30,015	26,949	25,720	20,068	505,338
Sardine.....	103,165,694	74,439,655	1,850,185	979,240	244,469	591,918	2,276,537	95,739,848	239,134,326	153,504,585	144,313,953	150,989,655	972,269,915
Sculpin.....	1,826	2,570	3,253	5,081	10,552	2,917	1,501	891	3,939	3,778	3,699	3,293	42,550
Sea-bass, Black.....	22,783	26,568	37,162	23,622	23,879	57,414	104,080	123,042	155,803	83,869	22,826	19,807	700,855
Sea-bass, White.....	12,868	3,998	2,395	7,686	31,895	31,311	38,629	179,207	58,727	64,841	46,919	21,707	500,183
Shad.....	364,112	156,374	77,892	806,788	1,450,911	12,456	184,996	173,637	146,694	218,509	975,219	749,983	3,739,334
Shark.....	18,193	20,061	21,345	4,105	1,131	4,421	195	31	981	16,894	42,276	21,415	151,048
Sheepshead.....	8,220	14,180	6,067	6,279	10,083	2,893	3,547	1,821	3,322	8,302	8,137	8,748	81,109
Skate.....	23,805	104,841	212,840	147,919	174,201	186,385	130,999	170,208	205,029	92,675	57,304	60,616	1,566,273
Smelt.....	197,873	133,770	282,482	470,695	523,309	611,453	547,503	629,057	421,852	320,546	323,615	270,224	4,752,379
Split-tail.....	263	1,156	333	335	628	40	---	348	---	2,663	1,800	114	10,925
Swordfish, Broadbill.....	---	---	159	---	---	20,138	48,300	101,055	66,563	74,990	24,493	---	336,386
Tuna, Albacore.....	122,958	390	---	---	---	443	5,047,002	11,237,424	3,922,277	994,698	8,527	492	21,384,864
Tuna, Bluefin.....	---	191,356	529,330	529,330	2,076,560	1,441,785	1,698,635	1,806,980	637,267	103,953	1,340,162	363,160	10,178,768
Tuna, Bonito.....	115,925	75,896	23,600	85,294	157,387	129,289	129,289	811,341	343,363	306,799	120,964	59,705	2,282,299

COMMERCIAL FISH CATCH OF CALIFORNIA

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Tuna, Skipjack-----	77,337	815,949	1,336,257	1,838,802	1,731,366	1,735,737	3,603,532	5,081,234	3,173,899	4,458,440	3,031,991	2,009,190	28,893,784
Tuna, Yellowfin-----	910,819	2,386,564	2,420,789	4,409,051	4,710,903	6,196,422	4,596,416	5,401,126	5,446,968	3,082,635	2,962,635	6,737,213	49,261,298
Turbot-----	-----	85	3,007	374	7,558	4,361	7,757	5,406	4,111	1,328	2,221	1,239	38,047
Whitebait-----	25,134	25,134	20,750	22,285	24,394	15,440	17,540	6,042	3,146	2,367	647	691	141,367
Whitefish, Ocean-----	25,885	6,971	6,727	1,733	3,207	5,519	237	1,076	2,491	5,126	22,755	15,707	97,434
Yellowtail-----	35,043	42,822	72,254	40,141	441,103	1,547,918	1,559,725	604,846	95,825	255,791	143,288	96,110	4,934,866
Miscellaneous Fish-----	24,893	13,360	3,887	13,466	22,988	15,706	13,030	8,299	8,072	18,098	13,609	5,551	160,959
Crustacean:													
Crab-----	191,756	259,540	308,240	164,186	214,784	171,778	108,486	46,382	44	3,888	542,702	303,552	2,315,338
Lobster, Spiny-----	191,344	192,043	150,665	12,790	-----	-----	-----	-----	-----	75,895	141,164	221,624	985,525
Shrimp-----	21,709	38,873	27,348	16,454	23,861	28,445	28,471	19,460	14,718	5,568	17,308	11,043	253,258
Mollusk:													
Abalone-----	24,550	-----	19,550	36,150	42,550	90,265	94,258	70,040	47,221	54,240	154,112	47,508	680,444
Clam, Gaper-----	-----	-----	120	-----	-----	-----	-----	-----	-----	-----	-----	-----	120
Clam, Pismo-----	22,526	56,992	65,872	38,166	49,423	62,920	94,500	66,299	37,897	16,364	48,211	1,864	611,634
Clam, Soft-shell-----	5,626	5,974	7,452	6,316	3,805	2,483	2,241	3,144	2,742	2,276	2,037	2,461	46,557
Clam, Washington-----	-----	364	364	-----	-----	-----	-----	-----	-----	-----	-----	-----	728
Octopus-----	815	815	1,551	1,333	1,387	6,732	4,237	784	391	57	204	284	18,020
Oyster, Eastern-----	10,013	9,232	8,198	7,243	5,649	4,712	3,648	2,890	4,106	4,901	7,712	11,574	79,878
Oyster, Japanese-----	70,333	87,812	94,101	80,231	77,664	41,459	46,961	45,328	44,577	48,205	50,214	55,220	741,105
Oyster, Native-----	158	-----	20,370	9,920	-----	-----	-----	-----	-----	-----	-----	-----	30,448
Squid-----	50,223	19,635	6,969	534,971	3,379,165	3,334,275	39,100	35,900	120,175	171,403	1,266,070	206,475	9,164,361
Total, pounds-----	114,126,701	82,436,900	9,721,365	12,179,451	18,048,995	20,462,333	23,243,889	129,794,295	269,566,620	188,639,318	187,552,488	174,034,571	1,229,806,926

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For details see page 41.

TABLE 31
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1943
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cultus, Pacific	10,015	28,507	111,069	30,205	41,929	39,370	27,642	46,078	36,987	28,765	47,499	30,264	478,330
Flounder, Starry	963	3,667	5,055	5,412	18,191	42,507	45,670	78,006	31,633	18,636	33,558	26,799	310,127
Hake	---	60	---	1,132	200	---	401	---	371	397	3,277	589	6,427
Haitbut, Northern	771	---	835	52,958	105,299	89,185	7,218	7,002	3,592	1,734	1,122	95	269,811
Herring, Pacific	10,180	113,320	1,845	---	---	---	---	---	---	---	---	239	125,564
Perch	2,272	5,656	8,910	5,082	138	---	82	335	68	---	45	2,029	24,567
Rockfish	12,286	19,778	47,515	30,156	79,488	118,307	176,458	149,884	243,397	162,056	231,381	104,616	1,375,122
Sablefish	5,555	127,728	288,466	326,097	213,512	345,917	201,624	120,502	131,404	82,635	55,166	9,118	1,907,684
Salmon	---	---	3,184	28,868	28,868	248,606	316,161	1,069,526	451,883	44,140	---	---	2,162,388
Sand Dab	2,861	5,409	4,837	26,323	54,544	45,643	42,644	60,440	18,535	9,994	4,356	3,800	279,386
Sardine	---	---	---	---	462	---	---	---	---	---	---	---	462
Sea-bass, White	817	44	---	---	---	---	---	---	20	609	1,584	40	3,114
Shark	43,281	25,291	4,663	605	454	941	4,373	7,379	19,874	83,252	441,064	403,360	1,034,537
Skate	450	5,001	1,516	130	2,715	858	377	697	1,170	3,120	662	---	16,696
Smelt	148	536	8,792	5,607	3,892	2,636	15,377	8,503	14,385	6,888	---	157	66,851
Sole	64,574	41,468	91,762	296,338	338,757	513,291	502,345	610,837	319,141	264,692	205,616	128,037	3,426,888
Tuna, Albacore	---	---	---	---	104	3,480	1,930	34,826	131,718	321,817	---	---	488,561
Turbot	---	---	113	---	24,224	15,440	774	6,042	2,086	---	591	156	6,401
Whitebait	2,931	23,295	20,713	21,895	24,224	17,540	17,540	7,556	2,367	---	---	1,602	137,880
Miscellaneous Fish	8,954	910	723	3,450	11,090	5,414	7,556	4,700	3,553	1,104	84	---	49,150
Crustacean:	---	---	---	---	---	---	---	---	---	---	---	2,930	229,058
Crab	11,072	28,032	54,164	39,074	47,866	26,730	11,312	7,578	---	---	---	---	---
Mollusk:	---	---	---	---	---	---	---	---	---	---	---	---	---
Clam, Washington	---	364	364	---	---	---	---	---	99	---	66	18	728
Octopus	---	317	182	418	480	1,068	519	237	---	---	---	---	3,404
Total pounds	177,110	429,383	651,484	848,006	1,022,213	1,499,393	1,379,229	2,213,446	1,410,526	1,032,206	1,026,071	713,849	12,402,916

Fishing Boat Landings from Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cultus, Pacific.....					22	76		90			199	38	425
Flounder, Starry.....					102	96		810					1,008
Halibut, Northern.....					282	273							565
Rockfish.....					109	76		270					346
Sand Dab.....								900			30,203	6,116	1,009
Shark.....					13,407	3,343		5,670					36,319
Sole.....													22,420
Total pounds.....					13,932	3,864		7,740			30,402	6,154	62,092
Grand totals, Eureka Region.....	177,110	429,383	651,484	848,006	1,036,145	1,503,257	1,379,229	2,221,186	1,410,526	1,032,206	1,056,473	720,003	12,465,008

TABLE 32
COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1943

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	307	3,958	3,154	2,990	1,583	220		627	405	1,431	1,546	514	16,735
Catfish.....	9,801	8,808	30,848	32,466	757				20,153	23,812	45,603	37,237	209,485
Hardhead.....	1,077		700								935	84	2,796
Mackerel, Horse.....									155,500				155,500
Mackerel, Pacific.....									231,500				231,500
Pike.....	6		121	66	14	3		6	7	15		35	273
Salmon.....	9,184	18,662	56,649	63,957	223,659	97,819		170,010	633,408		6,540	15,536	1,295,424
Sardine.....	5,875,440	632,800						13,032,500	40,349,200	3,762,700	7,917,400	2,075,500	73,645,540
Shad.....			77,892	806,758	1,450,796	12,456							2,347,902
Split-tail.....	263	1,156	333	335		40		348	3,873	2,663	1,800	114	10,925
Grand totals, Sacramento Region.....	5,896,078	665,384	169,697	906,572	1,676,809	110,538		13,203,491	41,394,046	3,790,621	7,973,824	2,129,020	77,916,080

TABLE 33
COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1943
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchorovy.....			52	18,900	6,600	36,100	3,200	93	11,600	2,300	55		78,793
Cabezone.....						12				4		17	140
Carp.....		151										355	506
Cutthroat, Pacific.....	8,171	9,790	39,333	12,508	10,945	22,200	9,826	4,248	8,148	5,077	13,913	7,251	151,410
Flounder, Starry.....	17,091	21,059	34,572	7,475	17,465	15,726	10,860	8	10,211	4,127	6,286	15,123	160,003
Hake.....				350		32	600		1,869	157		49	3,057
Hallibut, California.....	851	1,465	1,076	46	1,133	1,495	1,317	258	378	238	643	1,969	10,869
Hallibut, Northern.....	19	21		49	397	555					29	1,070	2,000
Herring, Pacific.....	68,917	286,625	53,170		502	2,000	2,000		1,195	80	20	82,400	495,132
Kingfish.....	10					1,203	111	125	134,250		948	688	4,829
Mackerel, Pacific.....						1,556	13,785	2,937	1,874	4,482	1,475		151,191
Perch.....	116	2,536	6,923	554			3,604				2,708	2,940	28,694
Pompano, California.....					25	172						1	198
Rockfish.....	13,988	23,827	42,435	19,742	15,613	35,878	11,852	5,803	10,078	5,216	9,094	9,255	202,781
Sablefish.....	3,325	967	187	110	167	1,438	137	11,660	12,341	4,430	2,055	84	36,901
Salmon.....					64,135	364,563	1,028,585	403,120	160,575		29	201	2,021,208
Sand Dab.....	18,617	14,972	30,887	23,854	3,432	2,725	2,075		6,017	11,076	13,999	15,008	143,862
Sardine.....	14,082,200	392,000	11,555	66,150	18,090	219,870	398,450	29,010,292	106,474,700	7,076,700	11,249,700	2,049,700	171,050,377
Sea-bass, White.....		656	273			45	167	828	1,960	2,229	3,514	3,905	13,948
Shark.....	211,829	35,751	9,508	1,311	100	147	13,102	87,598	57,665	58,609	378,479	210,783	1,064,382
Skate.....	3,098	5,153	1,348	1,629	5,309	433	2,179	420	1,442	2,205	4,374	5,976	34,116
Smelt.....	7,879	91,830	190,066	111,935	159,869	159,869	76,048	76,048	81,469	11,919	185	765	969,619
Sole.....	98,867	95,996	153,237	112,338	65,178	62,391	33,534	992	78,675	47,998	108,217	138,834	996,237
Tuna, Albacore.....							702		294,807	178,793	30		474,332
Tuna, Bluefin.....									43,182				43,182
Turbot.....		85	2,894	374	6,749	881	786	134	1,275		68		13,196
Whitebait.....		1,839	390	170	1,931	447	105	60	460		56	535	3,487
Miscellaneous Fish.....	7,934	9,986	502	1,133					924	309	860	1,973	26,174
Crustacean:													
Crab.....	166,500	221,172	246,140	117,618	161,670	141,882	95,414	38,458	44	3,888	534,932	293,838	2,021,556
Shrimp.....	21,709	38,873	27,348	16,454	23,826	28,437	28,471	19,460	14,718	5,568	17,308	11,043	253,215
Mollusk:													
Abalone.....									5,241			650	5,891
Clam, Gaper.....			120										120
Clam, Soft-shell.....		5,974	7,452	6,316	3,805	2,433	2,241	3,144	2,742	2,276	2,037	2,461	46,557
Octopus.....	5,626					1,646	1,256		270	27	60	143	4,962
Oyster, Eastern.....	10,013	9,232	8,198	7,243	5,649	4,712	2,890	2,890	4,106	4,068	7,712	11,574	79,878
Oyster, Japanese.....	33,846	49,468	29,551	27,911	32,214	17,399	21,481	19,258	17,562	15,865	17,994	18,905	301,454
Oyster, Native.....	158		20,370	9,920									30,448
Squid.....						39,060							39,060
Grand Totals, San Francisco Region.....	14,781,486	1,320,420	918,119	594,508	603,875	1,166,499	1,709,336	28,687,854	107,439,775	7,443,474	12,376,751	2,886,155	180,963,255

COMMERCIAL FISH CATCH OF CALIFORNIA

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Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	130	326	11,680	43,430	10,000	4,970	85	1,732	26,750	99,870	308	186	198,432
Cabazon	12,371	7,594	15,040	7,585	2,316	2,222	2,087	82	40	97	13,584	7,502	7,379
Cabazon, Pacific	1,370	571	3,186	946	5,038	682	240	691	277	225	707	346	84,802
Flounder, Starry													14,279
Hake													1,015
Halibut, California	554	927	2,283	1,288	193	516	1,315	1,787	1,243	2,825	1,162	1,418	15,511
Herring, Pacific	65							9,125					9,190
Kingfish	4,812	6,510	7,347	14,424	10,626	18,732	23,274	7,912	62,249	10,846	12,442	26,482	205,656
Mackerel, Horse		2,710	1,422	5,735	10,876	9,947	9,947	42,711	34,815	39,521	2,415	3,467	162,793
Mackerel, Pacific	1,366	32,692	5,217	8,044	28,414	30,790	79,456	439,940	1,057,921	1,759,195	417,363	569,692	4,430,090
Perch	216	459	2,100	10,020	221		148	555	22	118	20		13,879
Pompano, California			14	44	186	152							396
Rockfish	108,066	136,335	130,236	47,933	73,226	48,635	29,503	5,897	31,825	22,507	30,873	19,818	684,754
Sablefish	84,749	70,834	74,716	83,301	24,917	38,575	13,191	6,790	177,057	203,548	260,272	183,834	1,221,784
Salmon				280,012	256,975	468,415	74,747	21,785					1,101,934
Sand Dab	2,840	7,280	9,529	11,797	7,885	5,020	5,307	4,915	5,437	5,697	7,265	2,061	75,023
Sardine	28,310,362	47,658,278	1,642,586	875,105	193,056	370,685	1,878,077	53,685,338	91,670,137	46,755,256	81,048,829	85,614,625	439,702,334
Sea-bass, White	122			32		14	7,869	28,653	17,608	7,871	450	278	62,897
Shad				30	115								145
Shark	67,597	17,181	10,372	4,058	903	288	21,480	34,219	22,643	7,550	64,692	75,785	326,768
Skate	2,390	2,760	1,106	3,554	1,105	615	421	697	365	284	2,058	1,422	16,777
Smelt	6,492	1,012	131	1,385	716	14,651	28,780	72,339	93,288	28,845	20,233	27,389	292,011
Sole	8,783	10,783	8,367	26,677	15,482	5,228	3,230	5,471	994	834	140	175	86,134
Tuna, Albacore								12,698	281,369	6,482			300,549
Tuna, Bonito	100							12					112
Turbot					705		23				998		705
Miscellaneous Fish	295			175									2,229
Crustacean:													
Crab	14,184	10,336	7,936	7,494	5,248	3,166	1,760	46			7,770	6,784	64,724
Shrimp					35	8							43
Mollusk:													
Abalone								100					100
Clam, Pismo	458	308	456	230				14		72	221		1,759
Octopus	193	416	453	692	593	4,018	2,462	547	22	26	52	108	1,552
Squid	23,280	18,605	6,789	594,971	3,379,165	3,295,215	39,100	35,900	130,175	163,740	1,242,273	208,475	9,065,688
Grand totals, Monterey Region	28,650,795	47,985,917	1,941,434	1,970,099	4,032,682	4,329,852	2,222,502	54,421,068	93,604,694	49,117,517	83,134,347	86,748,567	458,159,474

TABLE 35
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1943
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	26,373	24,765	10,329	21,780	12,545	186		55	23,096	52,602	16,370	2,625	190,540
Cultus, Pacific.....				77	52			27		1,230	150	135	1,857
Flounder, Slary.....		6	683	5	260		4,869	4,371	2,627	1,713	2,412	1,097	18,043
Halibut, California.....	25,656	15,965	16,527	14,463	28,924	23,581	30,517	40,432	57,373	35,852	40,897	24,076	352,263
Herring, Pacific.....		32		13	285	122							452
Kingfish.....				328	40								368
Mackerel, Pacific.....	4,166	3,308	8,278	4	19	8,546	5,457	4,315	15,886	24,925	16,203	1,873	92,780
Perch.....	100		70	2,075	225		829	4,795	3,680	4,136	1,800	1,534	20,244
Rock Bass.....	3,937	3,387	3,642	36	216	138	509	79	40	961	1,553	1,286	15,784
Rockfish.....	11,753	9,981	15,881	6,238	13,317	10,441	2,767	4,886	2,031	3,806	2,494	1,555	85,130
Sablefish.....					571	2,131	655	52					3,409
Sardine.....				325	630	45		20	199	143			362
Sculpin.....			281	196	300	229	314	123		631			1,680
Sea-bass, Black.....	33						6,386	11,039			100	256	1,832
Sea-bass, White.....	321	603	589	4,540	13,832	5,613	39,411	3,893	8,738	1,371	1,796	1,009	55,837
Shark.....	30,693	49,440	52,720	30,828	51,004	128,225	39,411	3,893	6,083	8,079	38,296		478,980
Sheepshead.....	8,625	1,839	18,810	3,162	466	3,256	88			9,075	27,219	14,353	96,663
Skate.....	1,473			80					190	2,253	296		4,292
Smelt.....	433	431	1,562	666	2,273	2,504	315	219	193	246	620	645	10,107
Sole.....	25,478	34,473	27,829	32,767	35,539	22,683	7,321	5,600	22,355	6,309	9,331	2,962	232,647
Swordfish, Broadbill.....						780	11,882	47,129	29,050	42,170	3,824		134,835
Tuna, Albacore.....							104,294	61,318	127,308	1,755			284,675
Tuna, Bluefin.....								255,170	20,729				275,899
Tuna, Bonito.....							33	145,655	201,665	14,686	1,939	43	367,637
Turbot.....		1,208					5,091	4,498	2,836	1,928	2,153	1,239	17,745
Whitefish, Ocean.....	14,075	2,188	3,346	634	7	78	95			257	993	739	22,412
Miscellaneous Fish.....	3,195	1,548	1,356	2,811	2,525	1,334	1,579	1,252	382	1,183	1,504	902	20,071
Crustacean:													
Lobster, Spiny.....	12,213	10,398	5,639							33,554	33,843	29,881	125,528
Mollusk:													
Abalone.....	24,550		19,550	36,150	42,550	72,100	94,258	63,350	32,350	47,900	153,650	45,150	631,558
Clam, Pismo.....	4,182	4,571	5,227	3,600	5,038	5,134	4,008	2,844	1,723	2,688	3,232	1,864	44,111
Oyster, Japanese.....	36,487	38,344	64,550	52,320	45,450	24,080	24,480	26,070	27,015	32,340	32,220	36,315	439,651
Grand totals, Santa Barbara Region.....	236,151	212,247	256,869	213,098	254,068	311,186	345,207	687,192	585,849	332,693	393,895	208,927	4,037,382

COMMERCIAL FISH CATCH OF CALIFORNIA

55

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	103,440	12,105	20,478	32,505	139,772	156,265	102,410	63,483	268,456	280,098	111,322	3,159	1,293,493
Barbauda.....	1,229	22,131	123,435	166,845	452,068	634,528	273,135	113,416	9,423	30,354	9,235	981	1,835,780
Cultus, Pacific.....	59	---	38	26	45	305	56	23	23	---	698	---	1,273
Flounder, Starry.....	---	---	159	102	508	200	301	618	50	---	---	---	1,939
Flying Fish.....	---	---	---	---	1,186	685	400	---	---	---	---	---	2,271
Halibut, California.....	5,202	62,079	91,553	65,064	19,177	13,793	7,946	4,931	5,918	5,948	8,023	6,562	297,096
Kingfish.....	14,303	12,879	33,434	33,986	26,319	13,953	6,881	2,079	3,362	13,257	10,721	28,801	183,534
Mackerel, Horse.....	4,202,763	391,249	38,450	46,820	1,472	774	815	1,387,019	824,550	266,969	4,931,373	289,501	12,379,755
Mackerel, Pacific.....	3,369,993	1,544,880	638,203	22,094	79,560	223,664	140,612	2,893,076	10,189,727	15,820,559	24,894,355	9,881,832	69,098,555
Perch.....	351	956	1,949	5,778	256	123	3,023	8,171	2,616	683	712	790	25,408
Pompano, California.....	87	1,468	506	266	283	264	137	81	259	531	315	352	4,549
Rock Bass.....	1,715	3,026	1,045	1,550	12,194	34,686	5,134	6,607	2,133	6,328	19,568	12,883	106,919
Rockfish.....	21,013	31,634	32,517	36,323	42,078	19,461	3,690	56	391	1,941	5,584	1,666	196,374
Sablefish.....	3,402	1,956	436	513	6,040	17,762	1,383	62	---	12	819	1,762	34,147
Sand Dab.....	480	1,432	2,267	1,272	259	6	8	17	36	82	100	99	6,058
Sardine.....	53,592,474	25,793,397	171,692	36,715	30,960	1,295	---	11,698	639,450	99,648,148	42,408,151	60,376,060	282,710,040
Sculpin.....	1,493	2,520	2,989	3,420	5,809	2,129	1,452	891	3,939	2,431	1,518	781	29,372
Sea-bass, Black.....	85	53	756	322	427	743	609	1,887	345	1,703	53	297	7,280
Sea-bass, White.....	---	421	214	2,993	14,618	18,078	22,328	112,716	17,205	22,011	4,532	128	215,244
Shark.....	7,262	10,195	14,776	43,418	81,800	171,460	93,049	38,814	38,240	45,143	16,181	11,349	571,687
Sheepshead.....	4,230	7,002	507	400	156	380	91	31	361	4,330	6,352	1,768	25,608
Skate.....	809	1,266	2,097	886	454	437	570	7	165	240	747	1,350	9,028
Smelt.....	8,793	10,999	12,359	28,242	9,258	6,178	6,755	13,099	15,565	47,875	35,929	31,116	236,168
Sole.....	171	1,080	1,120	2,575	4,946	4,477	1,073	487	717	713	311	216	17,866
Swordfish, Broadbill.....	---	---	---	---	628	18,978	31,252	44,562	31,772	29,450	17,920	---	174,562
Tuna, Albacore.....	200	---	---	---	---	---	3,308,354	2,764,959	358,776	126,717	6,739	---	6,565,745
Tuna, Bluefin.....	---	---	---	---	---	---	948,455	1,243,014	366,860	103,950	1,330,071	363,160	6,763,490
Tuna, Bonito.....	45,779	---	---	345,436	1,303,387	759,154	10,637	166,760	99,751	19,355	4,084	3,420	400,842
Tuna, Skipjack.....	6	---	---	688	19,300	9,701	---	263	2,055	13,241	8	---	15,573
Tuna, Yellowfin.....	---	---	---	---	---	---	128	167	90	---	---	---	385
Whitefish, Ocean.....	2,215	556	257	458	2,638	4,442	42	181	938	482	3,445	2,208	17,862
Yellowtail.....	---	557	6,280	648	897	2,164	2,042	550	329	2,225	651	700	17,043
Miscellaneous Fish.....	4,502	906	1,306	5,897	7,440	7,712	3,334	2,125	2,543	14,370	9,863	1,074	61,072
Crustacean:	---	---	---	---	---	---	---	---	---	---	---	---	---
Lobster, Spiny.....	5,481	4,069	3,621	---	---	---	---	---	---	37,878	42,236	27,206	120,481
Mollusk:	---	---	---	---	---	---	---	---	---	---	---	---	---
Abalone.....	2	---	---	25	---	18,165	---	6,525	9,630	6,235	462	1,708	42,725
Octopus.....	---	---	---	---	---	---	---	---	---	---	---	15	72
Squid.....	10,630	1,030	180	---	---	---	---	---	---	7,663	7,710	---	27,213
Total pounds.....	61,408,169	27,925,382	1,215,435	885,867	2,263,936	2,141,962	4,975,802	8,888,375	12,895,725	116,560,929	73,889,814	71,035,103	384,086,499

TABLE 36—Continued
Fishing Boat Landings from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	35,251	128,051	29,763	30,256	10,799	2,506	48,337	107,745	103,966	146,860	239,986	105,596	989,116
Cabrilla.....	43,181	60,825	10,150	1,121	3,950	2,834	17,270	9,955	16,790	11	2,368	18,475	186,930
Corbina, Mexican.....			202									4,874	5,076
Groupers.....	7,280	793	3,944	155	445	395		843	26,772	61,026	15,041	10,719	38,772
Halibut, California.....	23,835	10,507	20,310	4,137					250		42,544	16,030	206,004
Mackerel, Pacific.....													250
Mackerel, Spanish.....	220	94	50							3,165	1,872	632	6,043
Perch.....								213					213
Rock Bass.....		174	297	921	649	1,143	3,449	25		794	4,075	630	12,177
Rockfish.....	7,526	6,830	415			11,484	42,837	106,160	152,668	41,228	13,976	4,411	26,255
Sea-bass, Black.....	14,353	13,721	12,240	1,370	18,866	8,682		25,918	10,595	7,869	5,154	5,808	430,512
Sea-bass, White.....	10,918	1,808			222		1,116		1,665	550	130		69,408
Shark.....	15											531	2,891
Sheepshead.....	333	232	140	86		73			330	416		417	2,027
Skate.....										200			200
Smelt.....											151		151
Sole.....			167										167
Tuna, Albacore.....	12,616						3,649	558,181	523,493	2,806	148		1,100,893
Tuna, Bluefin.....			191,356	174,604	448,643	444,178	744,444	109,956	94,649		10,081		2,217,911
Tuna, Bonito.....	5,083	38,914	4,547	109	3,510	18,138	117,509	481,628	39,379	206,616	23,084	30,753	983,270
Tuna, Skipjack.....	32,431	245,941	91,455	878,644	714,333	638,501	995,310	1,324,308	1,004,012	594,470	200,343	301,627	6,991,375
Tuna, Yellowfin.....	362,668	823,484	704,571	2,901,449	2,973,953	3,294,165	1,522,453	1,998,894	1,533,579	774,052	426,758	1,780,872	19,065,888
Whitefish, Ocean.....	429	763	2,331	83		591		145	49	110		400	4,901
Yellowtail.....	5,646	19,743	40,046	5,894	197,538	1,404,658	1,537,806	595,061	56,918	78,758	26,540	49,988	4,018,596
Miscellaneous Fish.....	13					127	433			304	300		1,177
Crustacean:													
Lobster, Spiny.....	71,226	67,700	35,863								674	3,439	178,902
Mollusk:													
Clam, Pismo.....	17,886	52,113	35,590	33,818	19,954	10,690	72,166	30,329	36,222	14,204	33,877		356,849
Total pounds.....	650,910	1,471,693	1,183,447	4,032,647	4,392,862	5,838,165	5,076,809	5,309,321	3,602,337	1,933,439	1,047,102	2,325,222	36,863,954
Grand totals, Los Angeles Region.....	62,059,079	29,397,075	2,398,882	4,918,514	6,656,798	7,980,127	10,052,611	14,197,696	16,498,062	118,494,368	74,936,916	73,360,325	420,950,453

COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1943

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy			95,772	3,027	84,731	143,822	487	363	5,057	13,242	8,212	1,791	85 356,504
Barracuda			197	12	855	333				44			1,031
Culus, Pacific	90		638	1,935	19,708	1,969		107	688	2,149	3,349	4,478	35,155
Halibut, California	51	83	76	455	1,022	12	189			122	244		2,219
Kingfish		99											883
Mackerel, Horse	883												645,838
Mackerel, Pacific	2,194	33	2,217	17,334	77,533	268,317	191		59,438	80,095	63,691	74,795	665,063
Mullet		9,766	30,204	9,854	1,185				661	1,947	4,330	8,116	25
Pompano, California						25			499	1,297	5,909	5,871	21,500
Rock Bass	1,637	1,444	36	25	1,358	2,554	23	847					11,395
Rockfish	933	1,149	1,198	1,375	3,104	606	3,030		165	1,261,638	1,689,873	873,600	5,160,375
Sardine	1,205,218	12,260	24,382	1,270	1,901	68				716	1,693		4,931
Sculpin	333				2,189								10,139
Sea-bass, Black			230	116	222	5,807	410		195	790	907	1,677	28,138
Sea-bass, White	18		888	142	3,191	7,499	742			6,702	7,376	1,385	203,627
Shark	3,425	18,486	11,314	25,465	40,061	73,850	13,581	1,268		7,602	5,924	2,651	2,437
Sheepshead	181	217	184	150			16			496	838	355	303
Snout	60			119	106						18		5
Sole						5							8,231
Swordfish, Broadbill							4,341		64,623	1,375	2,515		3,762,153
Tuna, Albacore	28					443	1,415,848	2,004,537	76,377	216,568		106	581,316
Tuna, Bluefin					199,150	101,880	5,699	198,210	350				32,944
Tuna, Bonito			863	27	1,857	15,917	1,090	310	397	2,172	8,130	2,228	2,331
Tuna, Skipjack								1,181		753			1,673
Tuna, Yellowfin	242						266	1,393		14			1,741
Whitefish, Ocean										174	888	437	16,303
Yellowtail					158	650	7,853	488		4,033	3,121		2
Miscellaneous Fish					2								
Crustacean:													
Lobster, Spiny	3,492	1,852	2,210							4,134	9,245	31,435	52,368
Mollusk:													
Squid	16,313										16,087		32,400
Total pounds	1,325,098	45,389	170,409	61,306	437,918	623,757	1,453,766	2,268,704	208,450	1,606,063	1,832,350	1,008,925	11,042,135

TABLE 37—Continued
Fishing Boat Landings from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda..	23,234	21,530	17,777	13,058	31,553	7,172	2,317	403	36,940	144,624	86,169	18,561	403,338
Cabrilla.....	8,246	2,013	392	11,403	—	198	—	2,716	—	60	8,319	13,609	46,956
Cortina, Mexican	—	—	—	—	—	—	—	—	—	30	—	—	30
Cultus, Pacific..	8,785	838	863	—	184	127	6	8,101	—	—	16,038	8,363	43,115
Grouper.....	19,121	19,917	17,822	10,778	134	16	69	14,972	27,338	47,568	38,516	8,504	204,775
Kingfish.....	78	—	—	—	—	—	—	400	—	27	—	—	27
Mackerel, Pacific	—	1,257	—	3,105	2,574	6,182	—	1,282	1,282	8,673	625	314	13,678
Mackerel, Spanish	—	—	—	—	—	203	—	1,537	1,537	485	6,733	—	12,609
Mullet.....	—	—	—	—	—	—	—	—	—	—	—	—	7,218
Rock Bass.....	642	798	692	1,428	1,390	2,110	—	8,202	7,330	8,303	2,606	8,251	41,752
Rockfish.....	24,679	22,632	32,660	19,862	28,652	47,157	1,513	—	—	2,230	410	—	180,035
Sablefish.....	—	—	—	1,349	120	—	—	—	—	—	—	—	1,469
Sardine.....	—	—	—	—	—	—	—	—	475	—	—	—	50
Sculpin.....	—	50	264	1,336	1,924	93	—	—	—	—	388	2,512	625
Sea-bass, Black..	8,312	12,764	23,655	21,618	4,064	41,953	59,910	14,872	2,790	40,148	7,790	13,166	6,567
Sea-bass, White..	—	466	432	11	—	62	21	53	2,406	16,179	22,513	9,454	251,072
Shark.....	10	30	—	1,085	—	444	—	466	534	6,824	250	—	51,597
Sheepshead.....	4,824	1,011	1,704	307	509	712	—	—	290	2,577	7,867	4,522	9,643
Smelt.....	—	33	—	13	—	—	74	—	129	102	168	—	24,323
Sole.....	—	—	—	—	—	35	—	—	—	—	—	—	1,063
Swordfish, Broadbill	—	—	159	—	—	380	885	9,334	5,741	1,995	—	—	35
Tuna, Albacore..	110,114	330	—	—	—	—	214,155	5,790,905	2,140,836	139,760	1,610	386	18,758
Tuna, Bluefin.....	—	—	—	9,290	125,380	130,173	—	630	25,470	—	—	—	8,398,156
Tuna, Bonito.....	62,555	30,218	2,379	87,470	132,730	5,985	—	16,976	3,223	63,970	83,727	33,261	296,970
Tuna, Skipjack.....	44,900	570,068	1,244,802	960,158	1,017,033	1,097,373	2,638,272	3,755,482	2,167,435	3,849,976	2,831,640	1,707,563	522,494
Tuna, Yellowfin..	548,151	1,503,080	1,716,210	1,507,602	1,736,950	2,902,257	3,073,539	3,440,712	3,911,299	2,308,367	2,536,877	4,956,341	21,884,505
Whitefish, Ocean..	8,924	3,464	733	558	562	408	100	750	1,504	4,103	17,429	11,923	30,200,382
Yellowtail.....	29,397	22,522	25,928	33,599	242,510	140,446	12,024	8,747	38,578	170,775	112,976	45,422	50,518
Miscellaneous Fish	—	—	—	—	—	672	—	162	160	90	—	—	882,924
Crustacean:	—	—	—	—	—	—	—	—	—	—	—	—	1,084
Lobster, Spiny...	98,932	108,034	103,332	12,790	—	—	—	—	—	329	55,166	129,663	508,246
Mollusk:	—	—	—	—	—	—	—	—	—	—	—	—	—
Abalone.....	—	—	—	518	24,431	47,096	18,326	65	49,938	—	10,881	—	170
Clam, Pismo.....	—	—	24,599	—	—	—	—	—	—	—	—	—	208,915
Total pounds.....	1,000,904	2,381,085	3,214,471	2,697,348	3,350,700	4,437,117	6,021,238	13,107,104	8,425,215	6,817,376	5,847,932	6,972,949	64,273,139
Grand totals, San Diego Region	2,326,002	2,426,474	3,384,880	2,788,654	3,788,618	5,060,574	7,475,004	15,375,808	8,636,665	8,423,439	7,680,282	7,981,574	75,315,274

TABLE 39
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1944

Species	Eureka Region		Sacramento Region		San Francisco Region		Monterey Region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Academy								
Barracuda					110,010	\$3,062	847,915	\$9,079
Cabezone					2,833	93	934	27
Cabrilla								
Carp	104	\$18	14,235	\$630				
Catfish			340,468	80,261				
Corbina, Mexican								
Cutlus, Pacific	543,515	50,521			121,501	8,815	76,797	5,000
Eel	1,135	114						
Flounder, Starry	197,334	10,851	480	18	130,767	6,199	34,775	1,789
Flying Fish								
Grouper								
Hake	3,653	288			956	78		
Halibut, California					7,739	1,131	17,497	2,697
Halibut, Northern	240,904	43,163			3,171	367		
Hardhead								
Herring, Pacific	101,394	2,536	1,664	495	270,524	6,381	50,337	641
Kingfish	497	10			1,980	122	253,905	17,450
Mackerel, Horse							82,043	6,736
Mackerel, Pacific					838	35	551,336	17,124
Mackerel, Spanish								
Mullet								
Perch	33,712	3,588	716	56	44,401	6,455	25,738	2,235
Pike								
Pompano, California							3,286	1,970
Rock Bass	5,625,923	248,918					440	20
Rockfish	1,959,468	193,208			68,965	3,815	731,701	29,398
Sablefish	3,791,094	719,023			47,332	4,046	2,102,627	176,452
Salmon	202,366	15,794	3,265,143	415,974	2,646,714	438,008	575,579	90,589
Sand Dab			76,506,250	841,572	275,552	16,600	66,496	5,808
Sardine					207,987,320	2,293,877	500,065,951	5,574,971
Sculpin								
Sea-bass, Black					8,912	1,646	9,099	1,151
Sea-bass, White	3,506	487			147	7		
Shad			2,688,517	121,033	559,229			
Shark	754,321	175,428					280,410	32,288
Sheepshead								

Skate	651	6				28,909	345	8,709	224
Smelt	32,037	2,422				1,207,263	80,042	139,541	8,965
Sole	3,136,850	214,891				1,252,593	70,010	223,108	14,288
Split-tail			8,179			450			
Swordfish, Broadbill									
Tomcod	135	5				2,131	357	223,101	36,918
Tuna, Albacore	77,886	14,634				1,997	199		
Tuna, Bluefin									
Tuna, Bonita									
Tuna, Skipjack									
Tuna, Yellowfin									
Turbot	5,889	404				17,399	1,088	1,630	131
Whitebait	247,950	38,939				20,423	3,236	1,052	122
Whitefish, Ocean									
Yellowtail	26,480	1,860				12,668	618	4,936	29
Miscellaneous Fish									
Crustacean:									
Crab	365,852	42,467				2,429,439	367,035	139,485	18,533
Crab, Rock									
Lobster, Spiny						291,974	11,427		
Shrimp									
Mollusk:									
Abalone						289,301	26,180	2,717	230
Clam, Cockle								1,313	164
Clam, Pismo						31,316	1,880		
Clam, Soft-shell									
Clam, Washington	1,423	97				4,385	304	974	113
Octopus	1,950	113				106,896	10,557		
Oyster, Eastern						177,181	13,097		
Oyster, Japanese								10,869,644	296,982
Squid									
Total pounds and value	17,255,829	\$1,779,785	82,925,602	\$1,460,489	218,162,866	\$3,683,230	517,393,136	\$6,352,114	

TABLE 39—Continued
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1944

Species	Santa Barbara Region		Los Angeles Region		San Diego Region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy.....			2,930,311	\$54,025	2,793	\$84	3,891,029	\$66,250
Baracuda.....	68,265	\$12,913	2,863,812	370,435	716,100	86,340	3,648,177	469,688
Cabezone.....			33	3			3,900	123
Cabrilla.....			160,201	27,203	48,708	6,786	208,909	33,939
Carp.....			3,173	397			18,312	1,045
Catfish.....							340,468	80,261
Corbina, Mexican			605	79	800	96	1,405	175
Cultus, Pacific.			2,692	276	648	72	746,025	64,759
Eel.....	872	75	24	2			1,159	116
Flounder, Starry	2,441	112	773	82			366,320	19,051
Flying Fish.....			3,112	255			3,112	255
Grouper.....			1,644	333	93,979	14,588	95,623	14,921
Hake.....			142	11			4,751	377
Halibut, California	607,736	97,273	605,236	134,079	253,903	50,334	1,492,111	285,514
Halibut, Northern							244,075	43,530
Hardhead.....							1,664	495
Herring, Pacific.							422,255	9,588
Kingfish.....	175	10	110,464	6,095	1,177	101	367,701	23,778
Mackerel, Horse			12,694,579	222,157			12,777,119	228,903
Mackerel, Pacific.			82,913,683	1,681,484	115,779	4,548	83,656,749	1,706,870
Mackerel, Spanish			7,861	783	6,402	434	14,263	1,217
Mullet.....			103,253	8,425	87,804	10,778	191,057	19,204
Perch.....	22,863	1,372	22,144	2,840			148,858	16,490
Pike.....							716	56
Pompano, California			8,892	1,653			12,178	3,623
Rock Bass.....	42,327	5,277	119,036	16,651	67,201	9,492	229,004	31,440
Rockfish.....	48,819	2,166	24,002	1,446	21,762	1,589	6,421,232	287,332
Sablefish.....			7,024	750			4,116,451	374,456
Salmon.....							10,285,904	1,664,846
Sand Dab.....	7,434	1,242	6,806	1,237			551,290	30,439
Sardine.....			359,050,377	3,965,361	3,597,984	39,822	1,147,207,882	12,715,603
Sculpin.....	297	13	49,770	6,775	7,203	886	57,270	7,674
Sea-bass, Black.	1,551	199	248,449	45,219	184,835	29,121	434,845	74,539
Sea-bass, White.	64,615	9,332	279,934	37,998	28,102	5,050	333,968	55,624
Shad.....							2,088,664	121,040
Shark.....	274,699	56,227	566,221	163,430	178,551	23,612	2,613,431	757,083
Sheepshead.....	95,611	9,057	55,278	5,108	17,764	1,652	168,653	15,812

Skate.....	4,929	152	7,221	361	138	50,419	1,088
Smelt.....	11,454	1,005	150,611	15,099	13	1,541,044	107,546
Sole.....	78,628	3,329	9,187	852		4,700,326	303,370
Split-tail.....						8,179	450
Swordfish, Broadbill.....	136,239	41,707	300,146	91,348	312,998	749,383	225,664
Tomcod.....						135	5
Tuna, Albacore.....	650,454	105,732	5,452,184	878,095	14,563,255	20,969,011	3,483,641
Tuna, Bluefin.....	157,309	14,944	19,117,064	1,818,580	1,067,180	20,343,550	1,938,624
Tuna, Bonito.....	62,583	4,850	282,574	24,164	473,714	818,871	69,462
Tuna, Skipjack.....			8,339,032	743,587	21,698,204	30,037,236	2,694,117
Tuna, Yellowfin.....			23,066,087	2,279,792	40,077,804	63,143,891	6,268,873
Turbot.....	47,805	1,935	102	3		72,825	3,561
Whitebait.....						269,425	42,297
Whitefish, Ocean.....	2,981	422	15,018	1,728	82,802	100,801	10,642
Yellowtail.....			1,953,052	150,387	1,004,119	2,957,171	234,421
Miscellaneous Fish.....	19,458	2,052	36,196	3,234	654	100,392	7,908
Crustaceans:							
Crab.....						2,934,776	428,035
Crab, Rock.....			540	54		540	54
Lobster, Spiny.....	141,555	34,807	178,548	52,584	599,762	919,865	251,672
Shrimp.....						291,974	11,427
Mollusk:							
Abalone.....	1,273,450	112,772	64,934	5,875		1,630,402	145,057
Clam, Cockle.....			407	39		407	39
Clam, Pismo.....			11,720,222	313,646		11,753,846	317,032
Clam, Soft-shell.....	32,311	3,222				31,316	1,880
Clam, Washington.....						1,423	97
Octopus.....			227	38		7,536	568
Oyster, Eastern.....						106,896	10,557
Oyster, Japanese.....	459,505	24,038				636,686	37,135
Squid.....			64,031	2,017	2,920	10,936,595	299,087
Total pounds and value.....	4,391,389	\$549,914	533,597,774	\$13,136,001	85,315,045	1,458,941,641	\$36,129,445

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For details see page 41.

TABLE 40
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1944

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	89,000	1,456	9,710	27,070	75,410	70,326	48,595	398,820	1,889,075	1,050,158	58,933	172,476	3,891,029
Barracuda.....	154,737	144,497	437,170	289,940	704,412	772,472	355,257	240,172	178,379	217,253	121,044	33,144	3,648,177
Cabazon.....	127	141	1,887	593	415	78	398	21		220	10	10	3,900
Cabrilla.....	8,990	14,373	42,990	23,902	14,677	7,226	24,073	12,052	8,819	31,096	7,348	13,363	208,909
Carp.....	456	1,589	2,744	649	1,527	1,942		768	3,456	311	670	4,200	18,312
Catfish.....	20,742	15,760	35,555	39,668	4,219				41,980	64,267	66,634	54,643	340,468
Corbina, Mexican.....				800		605							1,405
Cultus, Pacific.....	17,623	27,529	122,379	61,343	86,069	59,593	74,635	76,147	42,042	66,212	34,007	79,446	746,025
Eel.....	12,004	42,045	940	195	43,611	50,824	27,317	11,298	11,888	22	2		1,159
Flounder, Starry.....			45,120	19,295	3,016	66				19,686	4,706	78,726	366,520
Flying Fish.....				30	2,439	774	5,230		90				3,112
Grouper.....	2,632	6,148	57,747	16,515		14	2,619	297	85	75		4,048	95,693
Hake.....	719	24	173	815									4,751
Halibut, California.....	97,319	201,527	205,855	93,175	96,197	86,770	132,961	133,760	108,995	132,351	85,005	117,596	1,492,111
Halibut, Northern.....	607	15		63,300	105,608	49,902	8,648	4,997	3,124	469	1,173		244,075
Hardhead.....	424		20							200	680	340	1,664
Herring, Pacific.....	200,627	32,660	119,250	6,191	3,695	1,200	38,416	11,821	37,170	5,217	52	16,193	422,255
Kingfish.....	22,995	27,704	38,218	50,454	35,934	42,852	23,341		22,341	36,467	14,926	15,573	367,701
Mackerel, Horse.....	345,004	88,380	2,711	7,589	28,986	38,315	23,841	199,152	5,638,355	2,123,502	2,512,646	1,768,638	12,777,119
Mackerel, Pacific.....	6,537,201	1,345,765	292,288	137,176	310,518	160,934	305,957	1,847,075	22,363,996	23,045,187	15,154,305	12,215,847	83,656,749
Mackerel, Spanish.....	2,267	2,985			829	623	340			2,686	4,331	692	14,263
Mullet.....	66,316	16,096	47,937	25,838	17,753	9,109	338			4,920	2,750		191,057
Perch.....	15,006	13,715	42,085	5,451	5,451	2,185	8,574	2,366	1,465	3,921	3,116	2,585	148,858
Pike.....	47	377	157	19	71					5	5	35	716
Pompano, California.....	1,150	1,327	2,681	3,780	1,088	641	510		154	187	26	629	12,178
Rock Bass.....	17,550	17,004	14,063	17,968	20,787	38,029	47,242	24,304	5,288	8,731	6,618	11,620	299,004
Rockfish.....	100,825	112,285	237,870	307,720	767,824	892,224	870,119	1,303,083	509,154	550,756	289,244	480,140	6,421,232
Sablefish.....	122,745	74,065	237,909	380,982	702,111	634,766	414,644	427,611	443,753	470,100	122,555	84,930	4,116,451
Salmon.....	24,051	51,319	74,966	288,012	1,972,681	1,705,243	1,840,110	2,276,077	1,917,183	84,542	18,553	33,297	2,859,904
Sand Dab.....	39,959	47,494	75,772	44,836	75,266	73,107	70,167	25,917	28,031	25,308	15,442	26,921	551,220
Sardine.....	132,848,260	30,120,272	968,627	506,902	727,225	521,049	2,684,192	91,048,710	164,596,066	386,459,230	185,941,728	151,250,128	1,147,207,882
Sculpin.....	2,341	1,719	5,748	5,173	8,647	10,491	10,127	9,245	2,894	331	108	506	57,270
Sea-bass, Black.....	44,640	25,695	42,078	63,655	76,478	37,864	40,051	21,967	26,209	23,966	7,910	25,242	434,845
Sea-bass, White.....	7,548	5,583	5,321	12,845	23,557	49,093	33,386	101,183	26,905	93,928	23,545	11,075	383,968
Shad.....			205,411	1,065,470	1,413,692	4,061							588,690
Shark.....	383,987	132,922	110,476	142,728	166,941	221,116	286,293	225,058	144,136	94,388	116,697	588,690	2,688,604
Sheepshead.....	17,250	20,674	22,664	22,664	7,315	3,183	11,859	6,784	2,733	10,783	12,874	12,874	108,663
Skate.....	8,318	8,466	9,284	6,964	3,291	2,446	1,054	1,148	559	531	1,973	6,385	50,419

Smelt.....	45,921	257,885	464,589	295,652	128,180	58,378	61,749	66,875	58,762	55,644	29,195	18,194	1,541,044
Sole.....	219,247	286,512	455,699	422,816	464,131	601,611	676,267	251,838	312,277	489,111	115,416	405,401	4,700,326
Split-tail.....	843	324	240	20	---	---	---	1,111	3,728	815	818	280	8,179
Swordfish, Broadbill.....	---	---	80	---	---	3,109	58,834	117,720	174,430	257,112	123,760	14,338	749,383
Tomcod.....	135	---	---	---	---	---	---	---	---	---	---	---	135
Tuna, Albacore.....	212	---	---	---	25	2,871	4,390,244	3,813,505	6,862,191	3,798,605	1,598,214	503,144	20,969,011
Tuna, Bluefin.....	790,319	---	---	1,200,659	5,017,949	6,006,699	3,517,634	2,388,653	946,998	137,689	45,551	34,535	20,343,550
Tuna, Bonito.....	26,673	72,411	17,301	2,019	9,844	19,556	14,856	107,553	105,628	36,778	180,639	245,633	818,871
Tuna, Skipjack.....	647,765	1,576,981	975,570	4,042,663	1,922,367	1,454,867	2,278,801	4,690,418	3,418,706	4,218,152	2,459,827	2,353,119	30,087,236
Tuna, Yellowfin.....	1,421,985	4,224,473	4,999,181	3,995,001	10,806,283	3,427,695	7,472,355	8,715,086	3,949,621	5,791,957	2,552,641	5,787,613	63,143,891
Turbot.....	3,315	4,613	5,857	6,614	18,155	11,754	5,708	4,617	3,105	3,988	3,473	1,626	72,825
Whitebait.....	20,998	39,093	36,368	43,121	49,592	36,406	30,070	12,096	987	554	50	90	269,425
Whitefish, Ocean.....	15,139	24,077	22,739	13,820	14,180	6,227	2,069	510	119	326	375	1,220	100,801
Yellowtail.....	90,168	128,969	37,672	23,376	197,456	456,523	741,850	26,685	682,098	115,019	203,510	253,845	2,957,171
Miscellaneous Fish.....	5,075	6,555	8,035	9,748	17,526	13,675	9,629	5,187	4,244	4,121	7,991	8,576	100,392
Crustacean:													
Crab.....	194,296	246,328	391,666	372,876	378,932	247,895	241,916	115,507	1,668	---	---	---	2,935,316
Lobster, Spiny.....	197,020	134,783	114,757	16,155	---	---	---	---	---	173,638	103,333	180,179	919,865
Shrimp.....	25,889	18,077	27,317	31,465	18,779	19,986	39,180	39,005	31,512	11,285	13,735	15,744	291,974
Mollusk:													
Abalone.....	101,300	---	57,513	140,400	285,579	113,801	149,508	158,002	131,863	243,324	64,087	184,425	1,630,402
Clam, Cockle.....	---	135	---	---	260	---	6	6	---	---	---	---	407
Clam, Pismo.....	587,512	747,216	633,874	1,272,766	657,451	1,145,618	1,312,651	1,370,289	281,784	705,392	1,173,925	1,865,368	11,753,846
Clam, Soft-shell.....	2,177	1,588	2,489	2,315	3,071	2,632	2,597	4,435	3,086	2,859	2,846	1,221	31,316
Clam, Washington.....	---	65	130	676	---	---	---	---	---	---	98	454	1,423
Octopus.....	429	215	1,067	849	1,113	957	1,101	604	135	257	309	7,536	7,536
Oyster, Eastern.....	7,885	9,168	9,684	8,720	7,202	4,875	19,106	6,778	4,773	6,816	9,776	12,113	106,896
Oyster, Japanese.....	53,243	55,512	67,244	68,509	46,009	37,727	54,193	62,518	61,746	59,998	49,680	20,407	636,686
Squid.....	3,750	151	1,080	2,300	2,386,695	4,732,357	1,387,355	1,219,348	444,485	253,555	331,594	223,825	10,936,595
Total pounds.....	145,674,563	40,436,782	12,037,968	15,759,865	29,436,159	23,964,601	29,834,615	121,584,094	215,538,401	430,992,601	214,069,026	179,612,966	1,458,941,641

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For details see page 41.

TABLE 41
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....											104		104
Cultus, Pacific.....	5,122	15,954	81,364	48,373	73,375	45,238	52,722	68,997	33,102	43,845	13,567	59,985	540,644
Eel.....				195									1,135
Flounder, Starry.....	4,713	7,254	5,418	651	20,721	31,056	19,828	10,500	11,573	18,437	1,376	65,907	197,334
Hake.....	326		168	163			2,619	227	85	75			3,663
Halibut, Northern.....	607						7,787	4,997	3,124	469	1,125	1,232	240,856
Herring, Pacific.....	80,665	20,664	65		104,799	48,416							101,394
Mackerel, Horse.....										276	65	156	497
Perch.....	2,281	5,426	16,611	9,316				48	30				33,712
Rockfish.....	55,595	95,027	208,300	286,850	750,071	870,410	814,279	943,807	448,909	458,449	214,922	377,623	5,524,242
Sablefish.....	7,270	19,069	131,190	241,770	422,590	311,390	135,453	187,380	234,553	268,488	3,378	18	1,959,468
Salmon.....				3,732	219,145	519,889	1,054,751	1,511,270	397,748	84,542	17		3,791,064
Sand Dab.....	571	7,075	23,692	10,241	30,891	26,778	36,649	19,358	22,072	19,941	1,759	3,439	202,366
Sea-bass, White.....	198	171	24				641	97			1,645	530	3,306
Shark.....	70,716	14,826	9,382	1,555	845	8,476	19,369	39,552	70,343	23,778	25,652	459,721	744,195
Skate.....			35		520		35					61	651
Smelt.....	288	665	873	648	1,049	2,521	6,046	8,081	8,113	3,753			32,037
Sole.....	18,302	84,933	184,954	272,846	246,722	391,431	563,279	234,187	300,328	476,929	78,750	283,045	3,135,706
Tomcod.....	135												135
Tuna, Albacore.....		181	160	2,928	1,669	601		3,010	2,454	47,257	25,165		77,886
Turbot.....		36,291	35,406	42,928	46,217	33,389	30,004	11,726	175	736	39	39	5,889
Whitebait.....	10,623	489	2,084	4,688	10,414	2,223	2,837	993	937	554	35	90	247,950
Miscellaneous Fish.....	152								787	1,012	284	451	26,414
Crustacean:													
Crab.....	6,252	15,306	40,290	82,878	72,196	23,501	37,366	58,013	1,668			28,382	365,852
Mollusk:													
Clam, Washington.....		65	130	676							98	454	1,423
Octopus.....	84	49	196	156	115		487	534	59	51	86	133	1,950
Total pounds.....	263,900	323,445	741,282	1,077,964	2,001,339	2,315,238	2,784,652	3,102,777	1,536,110	1,443,856	368,764	1,281,166	17,239,893

TABLE 41—Continued
Fishing Boat Landings from Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cultus, Pacific.....	21	9									2,841		2,871
Haiibut, Northern.....											48		48
Rockfish.....											1,681		1,681
Shark.....	1,795	413								1,335	6,583		10,126
Sole.....											1,144		1,144
Miscellaneous Fish.....											66		66
Total pounds.....	1,816	422								1,335	12,363		15,936
Grand totals, Eureka Region..	265,716	323,867	741,282	1,077,964	2,001,339	2,315,238	2,784,052	3,102,777	1,536,110	1,445,191	381,127	1,281,166	17,255,829

TABLE 42
COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	456	1,589	2,744	649	1,527	1,942	-----	768	3,456	311	566	227	14,235
Catfish.....	20,742	15,760	32,555	39,668	4,219	-----	-----	-----	41,980	64,267	66,634	54,643	340,468
Flounder, Starry.....	102	288	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	430
Hardhead.....	424	-----	20	-----	-----	-----	-----	-----	-----	200	680	340	1,664
Pike.....	47	377	157	19	71	-----	-----	-----	-----	5	5	35	716
Salmon.....	24,051	51,319	74,996	131,381	1,163,275	226,016	-----	232,019	1,310,253	-----	18,536	33,267	3,265,143
Sardine.....	11,410,400	377,000	-----	-----	-----	-----	-----	11,970,100	14,622,500	17,606,250	9,572,500	10,947,500	76,506,250
Shad.....	-----	-----	205,436	1,065,405	1,413,615	4,061	-----	-----	-----	-----	-----	-----	2,688,517
Split-tail.....	843	324	240	20	-----	-----	-----	1,111	3,728	815	818	280	8,179
Grand totals, Sacramento Region.....	11,457,065	446,657	316,188	1,237,142	2,582,707	232,019	-----	12,203,998	15,981,917	17,671,848	9,659,739	11,036,322	82,825,602

COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1944

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	---	---	---	---	30,940	43,000	10,700	16,700	5,100	3,570	---	---	110,010
Cabezone	86	---	1,772	518	395	---	---	---	---	142	10	---	2,933
Cutts, Pacific	5,440	6,685	34,846	10,273	9,422	6,658	16,822	3,408	---	10,344	6,622	7,502	121,501
Flounder, Starry	6,147	33,880	33,949	15,901	10,852	13,408	4,554	175	5	705	2,686	8,555	130,767
Hake	280	---	---	662	---	14	---	---	---	---	---	---	956
Halibut, California	1,619	1,219	857	238	384	84	190	77	44	197	429	2,401	7,739
Halibut, Northern	---	15	---	---	808	1,486	801	---	---	---	---	---	3,171
Herring, Pacific	119,962	11,996	119,185	3,136	---	---	67	---	---	---	52	16,193	270,524
Kingfish	1,608	105	---	18	20	132	---	---	---	---	---	---	1,980
Mackerel, Pacific	---	---	---	---	---	---	---	---	140	698	---	---	838
Perch	6,732	4,537	12,732	7,939	---	6,333	---	711	---	2,388	1,045	1,287	44,401
Rockfish	7,928	3,173	8,162	3,048	4,355	2,410	8,114	7,248	6,844	11,880	3,338	2,455	68,965
Sablefish	45	---	---	2,202	3,376	---	11,992	3,769	9,718	13,952	2,278	---	47,332
Salmon	---	---	---	---	247,622	888,502	770,282	531,126	209,182	---	---	---	2,646,714
Sand Dab	35,937	35,313	46,377	30,861	38,082	29,588	27,513	1,309	---	273	11,017	19,282	275,552
Sardine	17,157,900	459,500	---	213	1,125	1,750	128,600	31,484,600	42,048,425	54,071,207	32,677,320	29,956,800	207,987,320
Sea-bass, White	3,125	842	307	---	---	---	---	58	259	1,767	1,101	1,453	8,912
Shad	---	---	5	65	77	---	---	---	---	---	---	---	147
Shark	159,212	81,452	34,838	58,398	19,203	19,629	21,241	14,994	24,271	34,322	45,057	47,582	559,229
Skate	5,512	5,532	5,140	5,139	905	1,694	191	---	---	350	1,734	2,712	28,909
Smelt	19,532	241,729	445,685	278,373	116,720	42,503	15,928	17,459	15,602	12,676	854	202	1,207,263
Sole	189,059	189,720	238,442	118,279	152,080	125,578	90,644	8,956	2,896	4,090	31,799	101,080	1,252,593
Tuna, Albacore	---	---	---	---	---	---	---	---	477	1,351	303	---	2,131
Tuna, Bluefin	---	---	---	---	---	---	---	---	---	1,912	---	85	1,997
Turbot	6	365	1,100	1,355	8,470	5,403	450	---	---	40	210	---	17,399
Whitebait	10,375	2,802	952	3,316	3,316	2,897	66	---	---	---	15	---	20,423
Miscellaneous Fish	1,274	3,304	2,037	969	263	607	2	152	590	---	2,117	350	12,668
Crustacean:	---	---	---	---	---	---	---	---	---	---	---	---	---
Crab	184,966	229,984	346,020	268,912	276,742	205,067	191,952	56,348	---	---	360,935	308,543	2,429,439
Shrimp	25,889	18,077	27,317	31,465	18,779	19,986	39,180	39,005	31,512	11,285	13,735	15,744	291,974
Mollusk:	---	---	---	---	---	---	---	---	---	---	---	---	---
Abalone	---	---	13,900	14,350	27,379	13,934	18,775	49,542	38,707	93,103	6,241	13,370	289,301
Clam, Soft-shell	2,177	1,588	2,489	2,315	3,071	2,632	2,597	4,435	3,086	2,869	2,846	1,221	31,316
Octopus	127	92	707	989	734	614	41	---	---	---	170	342	4,385
Oyster, eastern	7,885	9,168	9,684	8,720	7,202	4,875	19,106	6,778	4,773	6,816	9,776	12,113	106,896
Oyster, Japanese	20,123	22,962	22,084	26,329	15,484	13,952	17,833	13,618	11,646	8,410	2,160	2,580	177,181
Grand totals, San Francisco Region	17,972,946	1,363,990	1,408,617	890,267	998,092	1,445,543	1,404,607	32,260,509	42,417,453	54,295,340	33,189,730	30,521,832	218,162,866

TABLE 44
COMMERCIAL FISH LANDINGS IN THE MONTEREY REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchorry	41	141	115	2,786	2,410	315	18,615	83,687	441,744	283,213	1,325	13,820	847,915
Cabezone	6,980	4,881	5,528	63	20	7,502	5,086	3,437	5,146	11,960	10,560	10,417	384
Flounder, Starry	172	146	5,251	2,535	11,809	6,252	2,877	227	300	252	644	4,310	76,797
Halibut, California	254	475	2,979	954	869	1,570	5,300	1,616	276	1,061	358	1,785	34,775
Herring, Pacific	16,239	17,336	28,614	3,055	3,695	1,200	39,028	8,373	37,170	5,217	11,124	5,170	17,497
Kingfish	190	360	119	31,195	20,938	41,061	9,970	42,425	19,879	28,948	11,490	1,120	50,337
Mackerel, Horse	9,915	9,835	685	6,691	5,636	14,562	8,302	161,147	265	215	1,490	7,816	253,905
Mackerel, Pacific	153	114	4,747	19,460	133	674	9,970	36	58,946	117,034	176,555	566	82,043
Percid	153	114	4,747	19,460	133	674	9,970	36	23	215	1,490	7,816	551,336
Pompano, California	23,145	7,545	14,485	1,030	817	452	387	346,090	49,922	77,073	63,496	90,010	25,738
Rock Bass	111,631	54,680	106,476	3,763	2,724	11,389	42,059	236,200	199,265	190,660	117,110	84,756	3,286
Rockfish	3,298	4,669	2,190	136,505	275,170	323,066	267,118	1,662	5,959	4,990	2,653	3,871	731,701
Sablefish	49,464,698	15,895,438	154,585	152,848	335,870	70,622	15,077	5,250	107,413,687	165,433,485	86,819,176	23,568,861	2,102,627
Sand Dab	363	8,280	9,024	745	217,705	16,437	5,959	1,173	316	4,990	2,653	3,871	60,496
Sardine	76,752	8,280	9,024	745	217,705	16,437	5,959	1,173	316	4,990	2,653	3,871	500,065,951
Sea-bass, White	1,289	8,280	9,024	745	217,705	16,437	5,959	1,173	316	4,990	2,653	3,871	60,496
Shark	4,501	26	1,294	965	826	518	66,151	59,157	7,447	12,464	15,036	6,588	280,410
Skate	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Sneel	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Sole	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Tuna, Albacore	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Turbot	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Whitebait	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Miscellaneous Fish	28	3,513	18,965	23,300	58,904	81,002	33,141	31,542	23,554	22,802	13,499	1,715	8,709
Crustacean:	3,078	1,068	5,356	21,086	29,454	19,327	12,598	1,146	1,325	119	21	220,905	139,485
Crab	3,078	1,068	5,356	21,086	29,454	19,327	12,598	1,146	1,325	119	21	220,905	139,485
Mollusk:	336	328	269	195	850	542	1,387,355	1,219,348	394,395	233,655	321,554	168	2,717
Abalone	336	328	269	195	850	542	1,387,355	1,219,348	394,395	233,655	321,554	168	2,717
Clam, Pismo	110	74	164	104	49	203	1,387,355	1,219,348	394,395	233,655	321,554	25	1,313
Octopus	110	74	164	104	49	203	1,387,355	1,219,348	394,395	233,655	321,554	25	974
Squid	110	74	164	104	49	203	1,387,355	1,219,348	394,395	233,655	321,554	25	10,869,644
Grand totals, Monterey Region	49,723,083	16,008,909	358,994	895,547	3,318,028	5,842,498	4,490,385	49,790,109	108,743,890	166,582,169	87,583,927	24,055,597	517,383,136

TABLE 45
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	23,562	9,851	15,072	7,954				1,588	4,095	4,884	1,259		68,265
Cultus, Pacific	28				14		5	9		63	234	519	872
Flounder, Starry	829	501	359					396	10	292		54	2,441
Halibut, California	35,987	36,673	30,133	23,050	38,421	33,883	65,861	78,079	78,050	72,916	43,659	71,014	607,736
Kingfish	134										19	22	175
Mackerel, Pacific	659	63	9				6,830	12,791	18,834	33,358	1,563	1,006	75,113
Perch	4,081	2,366	5,341	3,825	4,448		447	585	419	599	577	175	22,863
Rock Bass	1,675	4,330	4,666	3,377	2,861		7,534	7,601	3,085	2,098	660	146	42,327
Rockfish	5,847	1,989	3,362	2,098	7,546	5,638	5,196	4,777	3,321	3,053	2,903	3,089	48,819
Salmon				51	7,169	214							7,434
Sculpin	164					133							297
Sea-bass, Black	133		305	58	97	282		37			259		1,661
Sea-bass, White	2,760	1,119	3,524	2,461	529	8,252	7,428	31,191	5,133	883	329	956	64,615
Shark	46,491	15,168	17,445	26,094	48,929	51,082	14,273	16,585	6,276	6,468	8,090	17,798	274,699
Sheepshead	10,230	14,381	20,153	8,559	609	495	1,656	2,822	2,495	8,718	8,669	16,824	95,611
Skate	919	1,432	480					626				1,462	4,929
Smelt	3,067	995		1,859	1,554	916	145	161	367				11,454
Sole	10,863	7,633	11,705	7,900	5,314	1,832	2,552	4,111	7,470	5,802	3,237	10,109	78,828
Swordfish, Broadbill						192	12,176	27,031	45,076	37,350	13,095	1,319	136,239
Tuna, Albacore					105,934	25,143	106,316	57,069	333,247	153,689	133		650,454
Tuna, Bluefin								11,539	14,642	51			157,309
Tuna, Bonito	2,373	107						46,150	13,727	14	23	189	62,583
Turbot	3,307	4,038	4,554	2,923	6,947	5,390	5,048	4,617	2,930	3,948	2,517	1,586	47,805
Whitefish, Ocean	199	366	518	231	194	87		290	109	319	168	500	2,981
Miscellaneous Fish	870	726	1,539	1,250	1,404	2,625	1,868	2,036	2,226	1,796	915	2,203	19,458
Crustacean:													
Lobster, Spiny	22,295	10,172	7,143							49,374	22,508	30,063	141,555
Mollusk:													
Abalone	101,300		43,300	126,050	257,350	99,325	130,700	104,450	87,475	137,400	35,600	150,500	1,273,450
Clam, Pismo	2,112	1,368	2,877	2,394	3,819	5,200	4,886	3,529	334	1,248	1,798	2,616	32,311
Oyster, Japanese	33,120	32,550	45,160	42,180	30,525	23,775	36,360	48,900	50,100	51,488	47,520	17,827	459,505
Grand totals, Santa Barbara Region	313,015	147,813	218,650	262,314	524,897	267,405	409,281	466,970	679,521	575,811	195,735	329,977	4,391,389

TABLE 46
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchorv.....	89,000	1,456	9,710	24,284	42,060	27,011	19,280	295,640	1,442,231	763,375	57,508	158,656	2,930,311
Barracuda.....	21,345	43,298	89,156	109,977	525,480	652,793	269,012	83,984	2,570	2,793	309	58	1,800,775
Cabezone.....	---	---	---	12	---	---	---	21	---	---	---	---	33
Carp.....	---	---	---	---	---	---	---	---	---	---	---	3,973	3,973
Cultus, Pacific.....	32	---	584	87	250	9	---	296	315	---	183	936	2,692
Eel.....	---	---	---	---	---	---	---	---	---	22	2	---	24
Flounder.....	41	26	103	208	229	108	58	---	---	---	---	---	773
Flying Fish.....	---	---	---	30	3,016	66	---	---	---	---	---	---	3,112
Hake.....	113	24	5	---	---	---	---	---	---	---	---	---	142
Halibut, California.....	39,023	106,226	134,497	52,359	28,589	11,148	9,789	8,242	2,362	876	9,252	19,057	421,420
Kingfish.....	4,996	---	14,574	18,400	14,941	11,434	8,303	3,427	2,462	7,500	3,783	10,351	110,464
Mackerel, Horse.....	344,814	88,020	2,592	898	23,350	23,753	13,871	156,727	5,638,090	2,123,011	2,511,091	1,768,362	12,694,579
Mackerel, Pacific.....	6,519,725	1,330,911	229,181	136,905	284,226	146,098	287,772	1,661,667	22,275,444	22,877,099	14,968,528	12,196,127	82,913,633
Mullet.....	41,726	13,128	25,814	16,191	1,275	3,087	---	---	---	---	---	---	101,221
Perch.....	1,759	1,142	2,654	7,849	1,003	329	1,155	986	296	934	1,494	557	20,188
Pompano, California.....	1,180	1,327	2,081	2,750	271	189	123	5	154	187	26	629	8,892
Rock Bass.....	9,581	4,232	4,300	4,473	8,132	28,751	27,769	9,279	1,783	4,508	4,722	7,990	112,540
Rockfish.....	4,065	1,621	1,954	811	1,238	1,977	471	1,141	158	301	2,904	6,151	22,792
Sablefish.....	3,799	316	243	485	975	401	81	262	217	---	89	156	7,024
Sand Dab.....	153	437	3,513	1,392	435	284	146	---	---	104	13	329	6,806
Sardine.....	53,279,045	13,370,014	804,042	29,605	53,895	33,395	465	12,070	511,444	149,347,983	56,127,307	85,481,112	350,080,377
Sculpin.....	2,177	1,623	4,920	3,640	6,844	9,105	9,297	8,587	2,834	331	108	280	49,770
Sea-bass, Black.....	489	429	527	432	11,468	1,268	935	4,033	2,097	170	70	90	22,008
Sea-bass, White.....	481	2,754	897	9,011	12,561	38,000	21,633	55,132	8,704	6,130	6,130	6,175	161,568
Shark.....	22,153	10,606	31,514	39,445	62,827	91,918	107,314	91,196	33,860	15,094	14,832	45,181	565,940
Sheepshead.....	4,518	4,009	4,591	11,957	5,860	1,398	9,961	2,694	215	973	290	7,454	53,950
Skate.....	598	1,502	2,174	860	1,040	234	---	162	---	---	---	435	7,221
Smelt.....	18,395	12,875	15,742	13,735	8,797	6,442	6,489	9,632	11,146	16,413	14,942	16,103	150,611
Sole.....	995	713	1,336	491	696	757	314	1,390	453	57	120	142	7,464
Swordfish, Broadbill.....	---	---	80	---	---	2,917	35,088	57,369	48,137	90,771	50,638	6,579	291,579

Tuna, Albacore	788,356			945,275	4,069,497	2,463	1,628,779	1,033,193	420,192	156,065		310	3,941,002
Tuna, Bluefin	710			1,232	1,434	4,151,649	1,975,458	2,166,094	861,989	135,594	45,358	33,611	15,278,639
Tuna, Bonito		2,039		452		9,273	7,941	16,631	28,524	780	18,774	511	88,301
Tuna, Skipjack								81	35	136			252
Tuna, Yellowfin							86						86
Turbot	2	29	8		9						10	1	102
Whitefish, Ocean	2,560	1,802	2,135		1,271	452	42	111		7			11,077
Yellowtail			130	28	2,576	347	512	1,083	2,491	62			7,229
Miscellaneous Fish	2,299	2,028	2,345	2,635	4,472	4,379	4,247	1,945	626	310	4,598	5,566	35,450
Crustacean:													
Crab, Rock					540								540
Lobster, Spiny	27,466	23,916	8,396							50,150	33,192	28,956	172,076
Mollusk:													
Abalone			313				33	4,010	4,356	13,421	22,246	20,555	64,934
Clam, Cockle		135				260	6	6					407
Clam, Pismo						250	165				15		430
Octopus	108									87	32		227
Squid	3,750	151							50,090		10,040		64,031
Total pounds	61,235,424	15,037,057	1,507,598	1,436,829	5,179,277	5,258,945	4,446,595	5,687,096	31,353,581	175,009,214	73,908,606	99,826,463	480,486,685

DIVISION OF FISH AND GAME

TABLE 46—Continued
Fishing Boat Landings from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	78,446	72,020	168,526	130,781	28,317	---	46,212	90,807	150,140	199,094	95,269	3,425	1,083,037
Cabrilla.....	132	2,900	32,455	21,019	12,400	7,226	22,608	12,052	8,819	31,096	7,348	2,146	180,201
Corbina, Mexican.....	---	---	---	---	---	774	132	---	---	---	---	---	1,644
Grouper.....	---	---	---	738	17,173	15,552	18,556	22,859	28,036	42,359	24,309	535	183,815
Halibut, California.....	100	10,701	3,756	---	---	543	340	---	---	2,371	3,907	600	7,861
Mackerel, Spanish.....	---	---	---	---	---	2,032	---	---	---	---	---	---	2,032
Mullet.....	---	130	---	---	---	1,856	---	---	---	---	---	---	1,856
Perch.....	---	---	732	280	343	---	1,490	---	---	1,778	115	215	1,986
Rock Bass.....	1,543	---	---	---	1,270	---	---	---	---	---	---	---	6,496
Rockfish.....	---	---	---	---	---	---	---	---	---	---	---	---	1,270
Sea-bass, Black.....	31,295	3,927	23,154	45,055	35,560	5,449	18,746	10,936	22,513	22,681	5,506	1,619	226,441
Sea-bass, White.....	---	---	---	220	---	1,343	---	3,420	10,738	89,768	12,872	---	118,365
Shark.....	---	---	65	---	140	---	---	---	76	---	---	---	281
Sheepshead.....	103	---	617	435	173	---	---	---	---	---	---	---	1,328
Sole.....	---	---	297	---	415	1,011	---	---	---	---	---	---	1,723
Swordfish, Broadbill.....	---	---	---	---	---	---	---	---	8,567	---	---	---	8,567
Tuna, Albacore.....	---	---	154,206	255,334	769,560	855,577	42,034	223,857	688,275	51,951	65,198	48,744	1,120,039
Tuna, Bluefin.....	---	---	275	125	---	180	1,542,144	207,479	53,882	---	193	---	3,838,425
Tuna, Bonito.....	8,300	43,575	---	---	---	---	2,498	2,341	58,328	3,432	40,161	34,958	194,273
Tuna, Skipjack.....	8,477	232,397	108,293	2,798,923	1,083,102	657,640	550,701	1,071,232	941,772	397,968	202,429	212,987	8,265,921
Tuna, Yellowfin.....	58,867	1,140,071	1,409,678	2,033,460	7,429,578	1,789,133	2,295,067	1,864,892	1,467,071	1,133,318	527,223	1,017,602	22,166,139
Whitefish, Ocean.....	1,042	---	908	1,048	726	---	---	---	10	---	207	---	3,941
Yellowtail.....	2,279	59,117	12,558	10,713	112,100	304,093	653,563	2,386	609,771	50,412	85,721	43,110	1,945,823
Miscellaneous Fish.....	476	---	---	170	100	---	---	---	---	---	---	---	746
Crustacean:	---	---	---	---	---	---	---	---	---	---	---	---	---
Lobster, Spiny.....	2,707	628	3,137	---	---	---	---	---	---	---	---	---	6,472
Mollusk:	---	---	---	---	---	---	---	---	---	---	---	---	---
Clam, Pismo.....	585,064	745,520	630,728	1,270,176	653,632	1,140,088	1,307,600	1,366,760	281,364	704,144	1,172,112	1,862,584	11,719,792
Total pounds.....	778,831	2,311,086	2,549,385	6,568,527	10,144,768	4,789,107	6,501,671	4,879,021	4,329,382	2,730,372	2,242,570	3,228,525	51,047,245

TABLE 46—Continued
Shipments to Canneries from Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore								73,346	947,120	34,938	35,719		1,091,123
Total pounds								73,346	947,120	34,938	35,719		1,091,123

Shipments to Canneries from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Skipjack							72,859						72,859
Tuna, Yellowfin							899,862						899,862
Total pounds							972,721						972,721
Grand totals, Los Angeles Region	62,014,255	17,348,143	4,056,983	8,005,356	15,324,045	10,042,052	11,920,987	10,639,463	36,630,083	178,374,524	76,186,895	103,054,988	533,597,774

TABLE 47
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1944
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	20,130	4,228	35,307	10,534	134,626	118,392	39,441	2,793	28		17,690	15,115	2,793
Barracuda			57		318	186		52,768					448,259
Cutlass, Pacific			15,718	9,143	10,660	1,935	1,760		123	478	708	968	64,136
Halibut, California	12,982	9,671		460	35	148	18	21					64,136
Kingfish	18				25,266	13,985	3,053	11,326	10,632	16,998	8,159	10,898	114,585
Mackerel, Pacific	6,902	4,956	2,410		16,478	3,990	338			4,920	2,750		87,804
Mullet	24,590	2,968	22,123	9,647	1,564	3,969	4,640	7,349	268	63	519	934	25,283
Rock Bass	3,172	1,357	924	504	610	400							10,208
Rockfish	4,245	2,665	1,607	681									3,597,219
Sardine	1,536,307	18,320						887		305	745,545	1,295,855	2,915
Sculpin		91	828	326	905	765		296	25		28		6,954
Sea-bass, Black	714	41	1,262		281	3,857	450	1,860					6,550
Sea-bass, White	34		18	61	1,562	1,057	522	3,574	1,863	927	1,325	11,820	166,805
Shark	6,788	2,147	7,753	12,010	32,669	28,543	57,386	78		777	2,398	707	7,442
Sheepshead	1,289	83	1,063	655	360		42						13,570
Swordfish, Broadbill							5,314	2,439	5,085	415,015	51,790	6,321	4,404,231
Tuna, Albacore					25	408	2,449,293	967,835	573,544				645,639
Tuna, Bluefin					54,248	574,829	32	77	16,453				175,291
Tuna, Bonito	11,430	21	1,310	1,321	2,119	7,308	1,046	38,258	10	183	63,397	48,890	43,424
Tuna, Skipjack	480			39,639					1,819	1,438	48		45,287
Tuna, Yellowfin				45,037			84	146	20				15,513
Whitefish, Ocean	9,441	890	3,714	479	50	807	580	897				132	23,720
Yellowtail	20,485	85	29	71	263	402	75	61	15		1,171		643
Miscellaneous Fish	4	38	20	25		131					11		
Crustacean:													
Lobster, Spiny	28,451	14,471	7,294							67,558	40,138	40,859	198,771
Mollusk:													
Squid												2,920	
Total pounds	1,687,462	62,032	101,437	130,593	282,029	761,110	2,564,074	1,090,665	611,331	509,394	935,677	1,435,419	10,171,223

TABLE 47—Continued

Fishing Boat Landings from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	11,254	15,100	129,109	30,394	15,989	1,287	592	11,025	21,546	10,482	6,517	14,546	297,841
Cabrilla.....	8,858	11,473	10,535	2,883	2,277		1,465					11,217	48,708
Corbina, Mexican.....				800									800
Cultus, Pacific.....													87
Grouper.....	2,632	6,148	57,747	15,777	2,439		5,098		90			4,048	93,979
Halibut, California.....	7,444	36,562	17,915	7,431	111	22,598	31,525	22,887	104	14,464	6,890	21,836	189,767
Kingfish.....				381		77		144		19			477
Mackerel, Pacific.....					873	177							1,104
Mackerel, Spanish.....	2,167	2,995			329	80				315	424	92	6,402
Rock Bass.....	1,379	7,085	3,441	9,334	6,414	5,008	5,809	75	152	284	602	2,335	41,918
Rockfish.....		265		10,469								820	11,554
Sardine.....				550				215					765
Sculpin.....				1,198	898	488	830	658				216	4,288
Sea-bass, Black.....	12,009	20,908	16,830	18,110	29,072	27,008	19,920	6,665	1,664	115	2,047	23,333	177,881
Sea-bass, White.....	587	697	551	347	8,915	44	83	8,252	239	1,510	41	266	21,552
Shark.....	80		455	2,567	1,931	6,030	559				124		11,746
Sheepshead.....	1,110	2,201	1,326	1,058	323	1,290	200	190	23	315	1,517	769	10,322
Smelt.....	138												138
Swordfish, Broadbill.....							6,256	30,881	67,565	128,259	60,027	6,440	299,428
Tuna, Albacore.....	212						163,822	1,452,393	3,702,736	1,870,186	1,017,482	447,769	8,654,600
Tuna, Bluefin.....	1,963							464	32	32		839	421,541
Tuna, Bonito.....	3,860	26,569	14,484	121	18,710	399,501	3,351	4,173	5,039	32,369	38,284	161,085	298,423
Tuna, Skipjack.....	638,808	1,344,584	865,277	1,204,101	839,265	797,227	1,655,241	3,619,105	2,475,080	3,818,610	2,257,350	2,140,132	21,654,780
Tuna, Yellowfin.....	1,363,118	3,084,402	3,589,503	1,916,504	3,376,526	1,638,562	4,277,256	6,850,048	2,482,530	4,658,639	2,025,418	4,770,011	40,082,517
Whitefish, Ocean.....	1,897	21,019	14,902	9,927	11,939	4,881	2,027	109				588	67,289
Yellowtail.....	67,404	69,767	24,955	12,564	82,780	151,681	87,195	22,319	69,836	64,545	116,618	210,735	980,399
Miscellaneous Fish.....				11									11
Crustacean:													
Lobster, Spiny.....	116,101	85,596	88,787	16,155						6,556	7,495	80,301	400,991
Total pounds.....	2,241,021	4,735,371	4,835,817	3,260,682	4,405,082	3,058,736	6,261,229	12,029,603	8,826,656	10,606,700	5,540,836	7,897,665	73,699,398

TABLE 47—Continued
Shipments from Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	-----	-----	-----	-----	-----	-----	-----	-----	111,440	931,624	401,360	-----	1,444,424
Total pounds.....	-----	-----	-----	-----	-----	-----	-----	-----	111,440	931,624	401,360	-----	1,444,424
Grand totals, San Diego Region.....	3,928,483	4,797,403	4,937,254	3,391,275	4,687,111	3,819,846	8,825,303	13,120,268	9,549,427	12,047,718	6,877,873	9,333,084	85,315,045

COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS

FISHES

<i>Common name</i>	<i>Scientific name</i>
Anchovy-----	Anchoviella compressa Anchoviella delicatissima Engraulis mordax
Barracuda-----	Sphyraena argentea
Cabezone-----	Scorpaenichthys marmoratus
Cabrilla-----	Epinephelus analogus Various species of Mycteroperca
Carp-----	Cyprinus carpio
Catfish-----	Ameiurus catus Ameiurus nebulosus
Corbina, Mexican-----	Cynoscion sp.
Cultus, Pacific-----	Ophiodon elongatus
Eel-----	Cebidichthys violaceus Xiphister mucosus Other stichaeids and blenniids Gymnothorax mordax
Flounder, Starry-----	Platichthys stellatus
Flying Fish-----	Cypselurus californicus
Grouper-----	Various species of Mycteroperca
Hake-----	Merluccius productus
Halibut, California-----	Paralichthys californicus
Halibut, Northern-----	Hippoglossus stenolepis
Hardhead-----	Orthodon microlepidotus Mylopharodon conocephalus
Herring, Pacific-----	Clupea pallasii
Kingfish-----	Genyonemus lineatus Small percentage of Queenfish---Seriphus politus
Mackerel, Horse-----	Trachurus symmetricus
Mackerel, Pacific-----	Pneumatophorus diego
Mackerel, Spanish-----	Scomberomorus sierra
Mullet-----	Mugil cephalus
Perch	
Halfmoon-----	Medialuna californiensis
Opal-eye-----	Girella nigricans
Salt-water-----	Various members of the Embiotocidae
Sargo-----	Anisotremus davidsoni
Pike-----	Ptychocheilus grandis

COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS—Continued

FISHES—Continued

<i>Common name</i>	<i>Scientific name</i>
Pompano, California-----	Palometa simillima
Rock Bass-----	Paralabrax clathratus Paralabrax nebulifer
Rockfish-----	All species of Sebastodes and Sebastolobus found in California waters
Sablefish-----	Anoplopoma fimbria
Salmon-----	Oncorhynchus tshawytscha Oncorhynchus kisutch
Sand Dab-----	Citharichthys stigmaeus Citharichthys sordidus
Sardine-----	Sardinops caerulea
Sculpin-----	Scorpaena guttata
Sea-bass, Black-----	Stereolepis gigas
Sea-bass, White-----	Cynoscion nobilis
Shad-----	Alosa sapidissima
Shark-----	Alopias vulpes Galeorhinus zyopterus Mustelus californicus Notorynchus maculatus Prionace glauca Rhinothiacis henlei Squalus suckleyi Triakis semifasciata Small percentage of other species
Sheepshead-----	Pimelometopon pulcher
Skate-----	Raja binoculata Raja inornata Raja rhina And other species
Smelt-----	Atherinops affinis Atherinopsis californiensis Leuresthes tenuis Hypomesus pretiosus Small percentage of other Osmeridae
Sole-----	Eopsetta jordani Glyptocephalus zachirus Parophrys vetula Several other pleuronectids
Split-tail-----	Pogonichthys macrolepidotus
Sucker-----	Catostomus occidentalis

COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS—Continued

FISHES—Continued

<i>Common name</i>	<i>Scientific name</i>
Wordfish, Broadbill	<i>Xiphias gladius</i>
Tomcod	<i>Microgadus proximus</i>
Tuna	
Albacore	<i>Germo alalunga</i>
Bluefin	<i>Thunnus thynnus</i>
Bonito	<i>Sarda lineolata</i>
Skipjack	<i>Katsuwonus pelamis</i>
Yellowfin	<i>Neothunnus macropterus</i>
Turbot	<i>Hypsopsetta guttulata</i> <i>Pleuronichthys decurrens</i> <i>Pleuronichthys verticalis</i> Possibly a small percentage of other pleuronectids
Whitebait	<i>Allosmerus attenuatus</i> <i>Spirinchus starksi</i> Young of several species of fishes
Whitefish, Ocean	<i>Caulolatilus princeps</i>
Yellowtail	<i>Seriola dorsalis</i>

CRUSTACEANS

Crab	<i>Cancer magister</i>
Crab, Rock	<i>Cancer antennarius</i> <i>Cancer anthonyi</i> <i>Cancer productus</i>
Crab, Spiny	<i>Panulirus interruptus</i>
Shrimp	<i>Crago franciscorum</i> and <i>Crago nigricauda</i>

MOLLUSKS

Abalone	<i>Haliotis fulgens</i> <i>Haliotis rufescens</i>
Clam, Cockle	<i>Paphia staminea</i> Species of <i>Chione</i>
Clam, Gaper	<i>Schizothaerus nuttallii</i>
Clam, Pismo	<i>Tivela stultorum</i>
Clam, Soft-shell	<i>Mya arenaria</i>
Clam, Washington	<i>Saxidomus nuttalli</i>
Octopus	<i>Polypus hongkongensis</i> <i>Polypus bimaculatus</i>
Oyster, Eastern	<i>Ostrea virginica</i>
Oyster, Japanese	<i>Ostrea gigas</i>
Oyster, Native	<i>Ostrea lurida</i>
Squid	<i>Loligo opalescens</i> Small percentage of other species

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DIVISION OF FISH AND GAME OF CALIFORNIA

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